



REPORT 19 M

U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
Public Health Service

U.S. NATIONAL INSTITUTES OF HEALTH

# NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

JULY, AUGUST, SEPTEMBER 1977

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737  
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1977  
July-  
Sept.

Library, Acquisitions Unit  
National Institutes of Health  
Building 10  
Bethesda, Maryland 20014

37  
58  
977  
July-  
Sept.

PREPARED BY  
NATIONAL INSTITUTES OF HEALTH  
DIVISION OF RESEARCH GRANTS  
STATISTICS AND ANALYSIS BRANCH







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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AG NATIONAL INSTITUTE ON AGING  
 AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
 AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES  
 CA NATIONAL CANCER INSTITUTE  
  
 CA DIVISION OF CANCER RESEARCH RESOURCES AND CENTERS  
 CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS  
 CM DIVISION OF CANCER TREATMENT  
 CN OFFICE OF CANCER CONTROL  
 CO OFFICE OF THE DIRECTOR, NCI  
 CP DIVISION OF CANCER CAUSE AND PREVENTION  
  
 CL CLINICAL CENTER  
 CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY  
 DE NATIONAL INSTITUTE OF DENTAL RESEARCH  
 ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES  
 EY NATIONAL EYE INSTITUTE  
 GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
 HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT  
 HL NATIONAL HEART, LUNG, AND BLOOD INSTITUTE  
  
 HB DIVISION OF BLOOD DISEASES AND RESOURCES  
 HI DIVISION OF INTRAMURAL RESEARCH  
 HO OFFICE OF THE DIRECTOR, NHLBI  
 HR DIVISION OF LUNG DISEASES  
 HV DIVISION OF HEART AND VASCULAR DISEASES  
  
 JT JOINT CONTRACT SPONSORSHIP  
 LM NATIONAL LIBRARY OF MEDICINE  
 NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE  
 OD OFFICE OF THE DIRECTOR, NIH  
 RR DIVISION OF RESEARCH RESOURCES  
 RS DIVISION OF RESEARCH SERVICES  
 TW FOGARTY INTERNATIONAL CENTER





GRANTS AND AWARDS ANNOUNCED DURING JULY 1977

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	21	787,567					1	78,000	2	24,700						
AI	30	1,282,674	2	75,357	2	201,359	6	313,469	14	155,700						
AM	46	1,962,332	11	385,708	3	271,242	12	480,103	24	265,800						
CA	38	2,030,983							18	204,800	1	1,498,646				
CB					8	760,841										
CN					5	881,506										
DE	6	265,557			1	34,795			2	24,400						
ES	13	646,548	1	32,349			5	316,187	2	24,000						
EY	41	1,961,189	1	29,835			1	37,283	23	264,126						
GM	76	3,449,423	2	65,317			11	451,434	54	602,201						
HB					1	80,578										
HD	13	1,351,338			3	411,612	7	644,742	7	75,300						
HL	79	4,407,805	13	403,757			13	803,324	1	13,200						
LM	2	56,621	2	74,408									10	151,945		
NS	26	1,461,342	6	205,866	1	120,804	1	57,645	1	10,800						
RR	13	1,800,069					6	378,687								
TW	404	21,463,448	38	1,272,597	24	2,762,737	63	3,560,874	20	319,025	1	1,498,646	10	151,945		
									168	1,984,052						

\*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS





DOLLARS  
AWARDEDNIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA MOBILE UNIVERSITY OF SOUTH ALABAMA HL22177-01	GREENBERG, STANLEY	MECHANISMS OF CONTROL OF PULMONARY SMOOTH MUSCLE	27,571
INSTITUTION TOTAL	1		27,571
CITY TOTAL	1		27,571
STATE TOTAL	1		27,571
ARIZONA PHOENIX VETERANS ADMINISTRATION HOSPITAL FY01888-01	WESTENBERG, IRWIN S	THE ALBINO GENE'S EFFECT ON RETINOGENICULATE AXONS	17,551
INSTITUTION TOTAL	1		17,551
CITY TOTAL	1		17,551
TEMPE ARIZONA STATE UNIVERSITY AI14306-01 AG00781-01	DAVIDSON, ELIZABETH W OKUN, MORRIS A	INSECTICIDAL ACTION OF BACILLUS SPHERICUS RISK-TAKING ACROSS THE ADULT LIFESPAN	12,610 9,670
INSTITUTION TOTAL	2		22,280
CITY TOTAL	2		22,280
TUCSON UNIVERSITY OF ARIZONA GM24456-01 CA20547-01 AI13670-01A1 HL20500-01A1 HL22110-01 GM24178-01 GM24375-01 HD10954-01	BLITT, CASEY D HADLEY, MAC E HEWLETT, MARTINEZ J WEEZAN, ELIAS MOORE, WESLEY S MOUNT, DAVID W SHIMIZU, NOBUYOSHI WELLS, MICHAEL A	INHALATION ANESTHETICS: PULMONARY BIOTRANSFORMATION ENDOCRINE CONTROL OF MELANOMA CELL DIFFERENTIATION VIRUS-CELL INTERACTIONS AND POLIOVIRUS RNA STRUCTURE DIABETIC HUMAN BRAIN MICROVASCULAR BASEMENT MEMBRANE HEALING COMPLICATIONS IN VASCULAR GRAFTING BIOCHEMICAL ANALYSIS OF THE E. COLI LEXA GENE PRODUCT GENETIC CONTROL OF MAMMALIAN CELL SURFACE FUNCTIONS UTILIZATION OF ESSENTIAL FATTY ACIDS BY SUCKLING RATS	12,490 46,000 51,106 50,180 50,000 45,401 63,279 51,996
INSTITUTION TOTAL	8		370,452
CITY TOTAL	8		370,452
STATE TOTAL	11		410,283

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ARKANSAS PAYETTEVILLE UNIVERSITY OF ARKANSAS GM24173-01	GEREN, COLLIS R	VENOM COMPONENTS: ISOLATION, CHARACTERIZATION AND USE	47,540
INSTITUTION TOTAL	1		47,540
CITY TOTAL	1		47,540
LITTLE ROCK UNIVERSITY OF ARKANSAS MEDICAL SCIENCES CAMPUS AM20181-01	MANSOURI, ALI	STRUCTURE-FUNCTION RELATIONSHIP OF HEMOGLOBIN A	30,120
INSTITUTION TOTAL	1		30,120
CITY TOTAL	1		30,120
STATE TOTAL	2		77,660
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA AT BERKELEY RR01029-01A1	BRIGGS, GEORGE M	REVISION OF THE NUTRIENT REQUIREMENTS FOR RATS	20,889
HL21686-01	DIXON, JONATHAN S	PURIFICATION OF ERYTHROPOIETIN	65,126
EY02125-01	FLOM, HERTON C	SENSORY AND MOTOR MECHANISMS IN FUNCTIONAL AMBLYOPIA	54,110
CA20713-01	VOLLHARDT, K PETER	ACTIVATED MUTAGENIC AND CARCINOGENIC HYDROCARBONS	32,615
NS12548-01A2	YOUNG, JANIS D	BIOLOGICAL ACTIVITY OF MYELIN BASIC PROTEIN	43,425
INSTITUTION TOTAL	5		216,165
CITY TOTAL	5		216,165
DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS CA21523-01	WELLINGS, SEPTON R	QUANTITATIVE STUDIES OF HUMAN BREAST PATHOLOGY	62,373
INSTITUTION TOTAL	1		62,373
CITY TOTAL	1		62,373
IRVINE UNIVERSITY OF CALIFORNIA AT IRVINE GM24330-01	HATFIELD, G WESLEY	CONTROL OF GENE EXPRESSION AND THE ROLES OF TRNA	63,029
GM24169-01	POO, MU-MING	ELECTROPHORESIS OF CELL MEMBRANE RECEPTORS IN SITU	39,139
INSTITUTION TOTAL	2		102,168
CITY TOTAL	2		102,168

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AT14290-01	HASPEL, MARTIN V	TS MUTANTS AND SLOW VIRUS DISEASE	27,560
INSTITUTION TOTAL	1	27,560	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
AM20045-01	MALCOM, LAWRENCE L	ARTICULAR CARTILAGE SURFACE MECHANICS	46,391
NS13679-01	SHAPIRO, HARVEY M	EVALUATION OF CEREBRAL ISCHEMIA THERAPY	77,443
GH24337-01	TAYLOR, PALMER W	PHARMACOLOGY OF MEMBRANE ASSOCIATED RECEPTORS	38,127
INSTITUTION TOTAL	3	161,961	
CITY TOTAL	4	189,521	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
GM23913-01	FULCO, ARMAND J	SOLUBLE CYTOCHROME P-450 HYDROXYLASES FROM BACTERIA	39,600
AG00745-01	LA RUE, ASENATH A	PROBLEM SOLVING IN MIDDLE-AGED AND ELDERLY ADULTS	11,980
AG00729-01	MEREDITH, PATRICIA J	NEONATAL THYMIC FACTOR AND IMMUNOREGULATION WITH AGE	12,000
AM20356-01	QUINTON, PAUL M	CYSTIC FIBROSIS & UREMIA; SWEAT GLAND PATHOPHYSIOLOGY	36,466
AM20398-01	STEVENS, ROBERT V	TOTAL SYNTHESIS OF CHIRALLY PURE STEROIDS	39,634
INSTITUTION TOTAL	5	139,680	
UNIVERSITY OF SOUTHERN CALIFORNIA			
HL21279-01	BARNDT, ROBERT, JR	ATHEROSCLEROTIC WALL THICKNESS--ANGIOGRAPHIC ESTIMATION	28,628
CA21746-01	HEIDELBERGER, CHARLES	CHEMICAL TRANSFORMATION OF PROSTATE EPITHELIAL CELLS	72,720
GH23826-01	JELLIFFE, ROGER W	LABORATORY OF APPLIED PHARMACOKINETICS	100,715
HL21390-01	KRANTZ, DAVID S	CORONARY ARTERY DISEASE AND CORONARY-PRONE BEHAVIOR	25,644
NS13946-01	PLATT, CHRISTOPHER J	LOCALIZATION OF DIFFERING VESTIBULAR SENSORY INPUTS	18,802
EX01993-01	SMITH, RONALD E	SYNTHESIS OF DESCMET'S MEMBRANE BY CORNEAL ENDOTHELUM	86,182
INSTITUTION TOTAL	6	332,691	
CITY TOTAL	11	472,371	
MENLO PARK			
STANFORD RESEARCH INSTITUTE INTERNATIONAL			
CA21593-01	KLEID, DENNIS G	MECHANISM OF CARCINOGEN-INDUCED FRAMESHIFT MUTATIONS	25,293
INSTITUTION TOTAL	1	25,293	
CITY TOTAL	1	25,293	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY HL21367-01	IRELAND, ROBERT E	POLYETHER IONOPHORES: SYNTHESIS OF X537A AND ANALOGS	69,460
INSTITUTION TOTAL	1		69,460
HUNTINGTON MEMORIAL HOSPITAL NS12906-01A1	AGNEW, WILLIAM F	C.S.F. SECRETION: STRUCTURE AND FUNCTION	44,330
INSTITUTION TOTAL	1		44,330
CITY TOTAL	2		113,790
RIVERSIDE UNIVERSITY OF CALIFORNIA AT RIVERSIDE A114194-01	SHOREY, HARRY H	PHEROMONES AND REGULATION OF NEMATODE MATING BEHAVIOR	49,160
INSTITUTION TOTAL	1		49,160
CITY TOTAL	1		49,160
SAN FRANCISCO INSTITUTES OF MEDICAL SCIENCES HL21271-01 EY02124-01	KARIC, LUCIJA STANCIC TYLER, CHRISTOPHER W	EXTRACORPOREAL CIRCULATION AND PROTEIN DENATURATION ETIOLOGY AND DIAGNOSIS OF RETINAL AND CORTICAL DISORDERS	28,373 39,981
INSTITUTION TOTAL	2		68,354
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO GM24900-01 GM23928-01 EY02068-01 AM19994-01 EY02072-01 HL21409-01 GM24309-01 EY02141-01 HL21793-01 GM24901-01	AKESON, WAYNE H ALBERTS, BRUCE M ALVARADO, JORGE A BLOIS, MARSDEN S, JR CHAR, DEVRON H CLYMAN, RONALD I EPSTEIN, CHARLES J FLACH, ALLAN J PARNLEY, WILLIAM W PETERS, RICHARD M	EXERCISE EFFECTS ON TENDON REPAIR BIOCHEMISTRY OF GENE REGULATION IN HIGHER EUKARYOTES TISSUE CHANGES IN AGING AND IN GLAUCOMATOUS EYES STUDIES ON THE BIOPHYSICS AND BIOCHEMISTRY OF MELANINS EYE DISEASE AND HISTOCOMPATIBILITY ANTIGENS PERINATAL CONTROL OF THE DUCTUS ARTERIOSUS MOLECULAR EFFECTS OF CHROMOSOMAL ANEUPLOIDY SYMPATHETIC NERVE TERMINAL DEGENERATION POST EPINEPHRINE FUNCTIONAL INFARCT SIZE BY GATED RADIOANGIOGRAPHY INTERSTITIAL TISSUE AND ONCOTIC PRESSURE IN TRAUMA	71,255 87,598 65,342 54,739 35,224 30,100 45,000 30,697 107,072 86,844
INSTITUTION TOTAL	10		613,871
CITY TOTAL	12		682,225

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NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
SANTA BARBARA			
NS13961-01	SPEECH COMMUNICATIONS RESEARCH LABORATORY SHOUP, JUNE E	STUDY OF CONSONANTS BY USE OF DYNAMIC PALATOGRAPHY	32,455
INSTITUTION TOTAL	1		32,455
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
GM24039-01	PURICH, DANIEL L	PHOSPHOTRANSFERASE CATALYSIS AND REGULATION	31,743
INSTITUTION TOTAL	1		31,743
CITY TOTAL	2		64,198
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
AI14127-01	MC MURRY, JOHN E	TOTAL SYNTHESIS OF APHIDICOLIN	27,475
RR01059-01	WIPKE, W TODD	RESOURCE-RELATED RESEARCH: BIOMOLECULAR SYNTHESIS	94,602
INSTITUTION TOTAL	2		122,077
CITY TOTAL	2		122,077
STANFORD			
STANFORD UNIVERSITY			
HL24221-01	HARRISON, DONALD C	CLINICAL ANTIARRHYTHMIC AND PHARMACODYNAMIC STUDIES	49,179
GM24118-01	KEDES, LAURENCE H	HISTONE GENE TRANSCRIPTION IN EMBRYONIC DEVELOPMENT	35,990
EY02108-01	MAURICE, DAVID M	CORNEAL NEUROBIOLOGY	26,610
HL24287-01	MC ALISTER, ALFRED L	EXPERIMENTAL SYSTEMS TO IMPROVE YOUTH HEALTH BEHAVIOR	33,805
CA24555-01	ROSENBERG, SAUL A	CLINICAL CANCER EDUCATION PROGRAM	251,200
GM24285-01	WALLACE, DOUGLAS C	MAMMALIAN MITOCHONDRIAL GENETICS & RNA TUMOR VIRUSES	69,371
INSTITUTION TOTAL	6		466,155
CITY TOTAL	6		466,155
STATE TOTAL	49		2,565,496
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO AT BOULDER			
CA21950-01	WILSON, IRWIN B	ALKALINE PHOSPHATASE IN LYMPHOPROLIFERATIVE DISEASES	12,130
INSTITUTION TOTAL	1		12,130
CITY TOTAL	1		12,130

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>COLORADO</b>			
<b>DENVER</b>			
<b>NATIONAL ASTHMA CENTER</b>			
HL21318-01	MIKLICH, DONALD R	MECHANISM OF EMOTIONS, ASTHMA TRIGGERING EFFECT	53,314
HL21126-01	WEISER, PHILIP C	EXERCISE-INDUCED BRONCHOSPASM IN CHILDREN	44,629
INSTITUTION TOTAL	2		97,943
<b>NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER</b>			
RR01091-01	CAMPBELL, PRISCILLA A	ANIMAL RESOURCE IMPROVEMENT PROJECT GRANT	82,700
AI11448-01	JOHNSTON, RICHARD B, JR	MECHANISMS OF RESISTANCE TO BACTERIAL INFECTION	50,125
INSTITUTION TOTAL	2		132,825
<b>UNIVERSITY OF COLORADO AT DENVER</b>			
GM23520-01	JOULE, JAMES	FITNESS MASKING OF ADH GENOTYPES IN SYNTENY WITH GOT-1	5,678
INSTITUTION TOTAL	1		5,678
<b>UNIVERSITY OF COLORADO MEDICAL CENTER</b>			
RR01090-01	FROST, WARREN W	ANIMAL RESOURCE DIAGNOSTIC LABORATORY	90,543
AM19605-01	KERN, FRED, JR	ESTROGEN EFFECTS ON BILIARY LIPIDS & BILE ACID KINETICS	61,003
ES01576-01	PRASAD, KEDAR N	HEAVY METAL-INDUCED DAMAGE TO THE NERVOUS SYSTEM	75,053
INSTITUTION TOTAL	3		226,599
CITY TOTAL	8		463,045
<b>FORT COLLINS</b>			
<b>COLORADO STATE UNIVERSITY</b>			
HL21485-01	DUPONT, JACQUELINE	DIETARY FAT, CHOLESTEROL AND BILE ACID TURNOVER	41,644
INSTITUTION TOTAL	1		41,644
CITY TOTAL	1		41,644
STATE TOTAL	10		516,819
<b>CONNECTICUT</b>			
<b>FARMINGTON</b>			
<b>UNIVERSITY OF CONNECTICUT HEALTH CENTER</b>			
EY02036-01	BALLOW, MARK	MEDIATORS OF INFLAMMATION IN TEAR SECRETIONS	10,000
DE04721-01	COYKENDALL, ALAN L	MOLECULAR TOXOMOY OF POTENTIAL PERIODONTAL PATHOGENS	45,175
AI14743-01	GOLDSCHNEIDER, IRVING	TERMINAL TRANSFERASE IN NORMAL & NEOPLASTIC LYMPHOCYTES	78,813
NS13860-01	SMILOWITZ, HENRY M	DEVELOPMENTAL AND NEURAL CONTROL OF THE CELL SURFACE	39,571
INSTITUTION TOTAL	4		173,559

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	4	173,559	
CONNECTICUT			
NEW HAVEN			
HASKINS LABORATORIES			
NS13870-01	HARRIS, KATHERINE S	LARYNGEAL FUNCTION IN NORMAL AND ABNORMAL SPEECH	84,385
INSTITUTION TOTAL	1	84,385	
YALE UNIVERSITY			
HL21352-01	BOUHUYS, AREND	COMMUNITY STUDIES OF OBSTRUCTIVE LUNG DISEASE	107,785
AG00764-01	DE FRONZO, RALPH A	GLUCOSE INTOLERANCE AND AGING	68,010
CA21194-01A1	FISCHER, DIANA B	EXPLORATORY STUDIES ON CANCER PATIENT DATA CONTROL	42,120
CA21849-01	HOLFORD, THEODORE R	COLORRECTAL CANCER: FACTORS RELATED TO SURVIVAL	29,220
HL21444-01	MOTOYAMA, ETSURO K	PULMONARY MECHANICS DURING POSTNATAL DEVELOPMENT	58,005
AI14349-01	MURPHY, DONAL B	EXPRESSION OF IA LOCI IN SUBCLASSES OF LYMPHOCYTES	57,325
DE04724-01	RASNUSSEN, HOWARD	CELLULAR EVENTS IN BONE REMODELING OF TOOTH MIGRATION	67,502
GM24164-01	SCURLOCK, JAMES E	ULTRA-LONG NERVE BLOCK AND UNCONVENTIONAL ANESTHETICS	33,240
AM20495-01	SHERWIN, ROBERT S	INSULIN GLUCAGON AND SOMATOSTATIN IN DIABETES	55,613
HL21690-01	ZARET, BARRY L	SEQUENTIAL MULTINUCLIDE STUDY OF ACUTE INFARCTION	112,882
INSTITUTION TOTAL	10	631,702	
CITY TOTAL	11	716,087	
STORRS			
UNIVERSITY OF CONNECTICUT			
AM19725-01A1	AMBELLAN, ELISABETH H	GLUCOCORTICOID EFFECTS ON PROTEIN SYNTHESIS IN VITRO	20,000
HD11220-01	MAXSON, STEPHEN C	EARLY EXPERIENCE, GENOTYPE, ENVIRONMENT AND BEHAVIOR	36,696
INSTITUTION TOTAL	2	56,696	
CITY TOTAL	2	56,696	
STATE TOTAL	17	946,342	
DIST OF COL			
WASHINGTON			
GEORGETOWN UNIVERSITY			
CA21912-01	PANCAKE, SAMUEL J	ANTIGENS INDUCED BY POLYOMA VIRUS TRANSFORMATION	36,813
INSTITUTION TOTAL	1	36,813	
HOWARD UNIVERSITY			
BR08157-01	ASHE, WARREN K	HEALTH SCIENCES CENTER SUPPORT	458,959

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
DIST OF COL WASHINGTON HOWARD UNIVERSITY AM19364-01	RHOADS, ALLEN R	REGULATION OF CYCLIC 3' 5'-NUCLEOTIDE PHOSPHODIESTERASES	18,405
INSTITUTION TOTAL	2	477,364	
CITY TOTAL	3	514,177	
STATE TOTAL	3	514,177	
FLORIDA GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA	CLEM, LESTER W	THE MOLECULAR BASIS OF IMMUNITY IN INVERTEBRATES	49,689
AI14137-01	WEBB, WILSE B	SLEEP CHANGES IN THE ELDERLY	55,712
AG00805-01			
INSTITUTION TOTAL	2	105,401	
CITY TOTAL	2	105,401	
MIAMI PAPANICOLAOU CANCER RESEARCH INSTITUTE	MELOCHE, H PAUL	MICROENVIRONMENTAL GEOMETRY OF C-C LYASE ACTIVE SITES	46,200
GM24926-01			
INSTITUTION TOTAL	1	46,200	
UNIVERSITY OF MIAMI AM20346-01	SELAWRY, HELENA P	THE IMPLANTATION OF ISLETS OF LANGERHANS	38,711
INSTITUTION TOTAL	1	38,711	
CITY TOTAL	2	84,911	
TALLAHASSEE STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA STATE UNIVERSITY	MARZLUFF, WILLIAM F, JR	CONTROL OF MILK PROTEIN SYNTHESIS IN MAMMARY TUMORS	21,784
CA20428-01A1			
INSTITUTION TOTAL	1	21,784	
CITY TOTAL	1	21,784	
STATE TOTAL	5	212,096	
GEORGIA ATLANTA EMORY UNIVERSITY	GOLDSMITH, DAVID J	THE SYNTHESIS OF ANTIFEEDING AGENTS	38,110
ES01615-01			

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NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
HD10943-01	GOULD, KENNETH G	ALTERATION OF CERVICAL MUCUS COMPOSITION	4,961
HL21195-01	HARTZELL, HARRISON C, JR	INNERVATION OF THE HEART: ACETYLCHOLINE RECEPTORS	57,863
EY01967-01	TAKEL, YOSHIO	SYSTEM DEGENERATION OF CNS--EXPERIMENTAL APPROACH	46,080
INSTITUTION TOTAL	4	147,014	
CITY TOTAL	4	147,014	
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
GM23484-01	SOHAL, GURKIRPAL S	CELL DEATH AND CYTODIFFERENTIATION	19,545
INSTITUTION TOTAL	1	19,545	
CITY TOTAL	1	19,545	
STATE TOTAL	5	166,559	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
GM23498-01A1	MORTON, NEWTON E	GENETIC RISKS AS AN OUTCOME OF SEGREGATION ANALYSIS	33,374
INSTITUTION TOTAL	1	33,374	
CITY TOTAL	1	33,374	
STATE TOTAL	1	33,374	
IDAHO			
MOSCOW			
UNIVERSITY OF IDAHO			
ES01567-01	MILLER, LOIS K	GENETIC CHARACTERIZATION OF BACULOVIRUSES	53,687
INSTITUTION TOTAL	1	53,687	
CITY TOTAL	1	53,687	
STATE TOTAL	1	53,687	
ILLINOIS			
CHICAGO			
NORTHWESTERN UNIVERSITY			
AI14139-01	LIPTON, HOWARD L	THEILER'S VIRUS-INDUCED DEMYELINATING DISEASE IN MICE	37,014

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

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RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
INSTITUTION TOTAL	1		37,014
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
HL21676-01	GOLDWASSER, EUGENE	PURIFICATION AND PROPERTIES OF ERYTHROPOIETIN	67,082
CA22039-01	GURNEY, CLIFFORD W	PATHOPHYSIOLOGY AND THERAPY OF PANCYTOPENIA	69,222
GM24110-01	PETES, THOMAS D	YEAST CHROMOSOME STRUCTURE AND REPLICATION	57,898
INSTITUTION TOTAL	3		194,202
UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE			
GM24189-01	LIEBMAN, SUSAN W	NONSENSE SUPPRESSION AND ANTISUPPRESSION IN YEAST	31,858
INSTITUTION TOTAL	1		31,858
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
EY01989-01	BENNETT, THOMAS O	HISTOCOMPATIBILITY IN ANIMAL PENETRATING KERATOPLASTY	41,835
CA23026-01	TISSOT, ROBERT G	THE MAJOR HISTOCOMPATIBILITY COMPLEX OF THE RABBIT	25,154
INSTITUTION TOTAL	2		66,989
CITY TOTAL	7		330,063
HINES			
VETERANS ADMINISTRATION HOSPITAL			
AM20307-01	LAWRENCE, ANN M	CHARACTERIZATION OF SUBMAXILLARY GLAND "BIG" GLUCAGON	24,175
INSTITUTION TOTAL	1		24,175
CITY TOTAL	1		24,175
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
HL21342-01	BARR, LLOYD	ISOLATION AND ANALYSIS OF HEART NA CHANNEL	65,295
INSTITUTION TOTAL	1		65,295
CITY TOTAL	1		65,295
STATE TOTAL	9		419,533
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY AT BLOOMINGTON			
GM24347-01	JASKUNAS, S RICHARD	REGULATION OF RIBOSOME BIOSYNTHESIS	62,086

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DOLLARS  
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
<b>INDIANA</b>			
<b>BLOOMINGTON</b>			
INDIANA UNIVERSITY AT BLOOMINGTON			
GH24299-01	KAUFMAN, THOMAS C	STUDIES ON THE ORGANIZATION OF THE DROSOPHILA GENOME	31,166
GH24212-01	POLISKY, BARRY A	EUCARYOTIC DNA EXPRESSION IN BACTERIA	58,603
INSTITUTION TOTAL	3		151,855
CITY TOTAL	3		151,855
<b>INDIANAPOLIS</b>			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS			
AM21353-01	FINEBERG, EDWIN S	DECREASED INSULIN SENSITIVITY IN DIABETES MELLITUS	68,657
HL21706-01	KAPLAN, JEROME	NUCLEAR MAGNETIC RESONANCE AND MYOCARDIAL ISCHEMIA	71,418
DE03537-01A3	MILLER, CHRIS H	PLAQUE FORMATION BY ACTINOMYCES NAESLUNDII	21,809
EY01806-01A1	SIARKOTOS, ARISTOTLE N	OCULAR LYSOSOMES IN HEREDITARY RETINAL DEGENERATIONS	79,438
INSTITUTION TOTAL	4		241,322
CITY TOTAL	4		241,322
<b>WEST LAFAYETTE</b>			
PURDUE UNIVERSITY			
GH24417-01	LOW, PHILIP S	ANION EXCHANGE ACROSS ERYTHROCYTE MEMBRANES	34,993
INSTITUTION TOTAL	1		34,993
CITY TOTAL	1		34,993
STATE TOTAL	8		428,170
<b>IOWA</b>			
<b>AMES</b>			
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY			
AI14132-01	GOUGH, PATRICIA M	ORAL TRANSMISSION OF RABIES VIRUS IN WILDLIFE	36,849
GH24254-01	LAROCK, RICHARD C	SYNTHESIS OF BIOLOGICALLY ACTIVE LACTONES AND LACTAMS	37,601
INSTITUTION TOTAL	2		74,450
CITY TOTAL	2		74,450
<b>IOWA CITY</b>			
UNIVERSITY OF IOWA			
CA19502-01A1	BUCHSBAUM, HERBERT J	GYNECOLOGIC ONCOLOGY GROUP	69,263
AG00753-01	CHALKLEY, ROGER	AGING OF THE MAMMALIAN CHROMOSOME	52,098

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>IOWA</b>			
IOWA CITY			
UNIVERSITY OF IOWA			
HL21356-01	DIANA, JOHN N	PROTECTION OF THE ISCHEMIC MYOCARDIUM	32,731
HL20124-01	LAUER, RONALD M	CORONARY RISK FACTORS IN CHILDREN	77,036
HL21158-01	THAMES, MARC D	CARDIAC RECEPTORS WITH VAGAL C-FIBER APPARENTS	57,000
INSTITUTION TOTAL	5	288,128	
CITY TOTAL	5	288,128	
STATE TOTAL	7	362,578	
<b>KANSAS</b>			
KANSAS CITY			
UNIVERSITY OF KANSAS			
GM24035-01	HELMKAMP, GEORGE M, JR	MEMBRANE-PHOSPHOLIPID EXCHANGE PROTEIN INTERACTIONS	42,390
INSTITUTION TOTAL	1	42,390	
CITY TOTAL	1	42,390	
<b>MANHATTAN</b>			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE			
GM24208-01	MURPHY, DOUGLAS B	THE MOLECULAR MECHANISM OF INTRACELLULAR MOTILITY	47,497
INSTITUTION TOTAL	1	47,497	
CITY TOTAL	1	47,497	
STATE TOTAL	2	89,887	
<b>KENTUCKY</b>			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
AI13360-01A1	BROWNSTEIN, BERNARD H	STUDIES OF RIBOSOMES FROM HISTOPLASMA CAPSULATUM	34,617
INSTITUTION TOTAL	1	34,617	
CITY TOTAL	1	34,617	
<b>LOUISVILLE</b>			
UNIVERSITY OF LOUISVILLE			
HL19768-01	FLOWERS, NANCY C	RECORDING AND ANALYSIS OF LOW LEVEL CARDIAC SIGNALS	39,389
EY01941-01	POTTS, ALBERT M	AN EXPERIMENTAL STUDY OF ANTIGLAUCOMA SURGERY	54,511
INSTITUTION TOTAL	2	93,900	

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
CITY TOTAL	2		93,900
STATE TOTAL	3		128,517
LOUISIANA			
NEW ORLEANS			
TULANE UNIVERSITY			
HL19997-01	CHAPNICK, BARRY M	PROSTAGLANDIN PRECURSORS AND INTESTINAL VASCULATURE	22,277
INSTITUTION TOTAL	1		22,277
CITY TOTAL	1		22,277
STATE TOTAL	1		22,277
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
GM24486-01	ACKERS, GARY K	MOLECULAR SIEVE CHROMATOGRAPHY OF INTERACTING PROTEINS	91,705
ES01589-01	ANNAU, ZOLTAN	TOXICITY OF PRENATAL CARBON MONOXIDE EXPOSURE	60,392
ES01596-01	HUANG, P C	GENETIC STUDIES OF HUMAN CHROMOSOMAL DISEASES	67,463
HL22029-01	JAKAB, GEORGE J	BRONCHOPULMONARY RESISTANCE TO BACTERIAL INFECTION	32,144
CA21971-01	LEVENTHAL, BRIGID G	CANCER AND LEUKEMIA GROUP B	32,645
GM24195-01	MALONEY, PETER C	ION GRADIENTS AND ENERGY COUPLING IN BACTERIA	40,575
EY02120-01	QUIGLEY, HARRY A	THE PATHOGENESIS OF GLAUCOMATOUS OPTIC NERVE DAMAGE	73,896
NS13402-01A1	SKOFF, ROBERT P	THE STUDY OF NORMAL AND ABNORMAL GLIOGENESIS	54,175
HL21692-01	SPIVAK, JERRY L	PURIFICATION OF ERYTHROPOIETIN	7,500
GM24398-01	TORGERSON, WARREN S	STRUCTURE OF PERCEIVED PAIN AND PAIN PATIENT TYPOLOGY	53,278
INSTITUTION TOTAL	10		513,773
CITY TOTAL	10		513,773
CATONSVILLE			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS			
CA21374-01	KARPEL, RICHARD L	PHYSIOLOGICAL ROLES OF RNA UNWINDING PROTEINS	39,199
INSTITUTION TOTAL	1		39,199
CITY TOTAL	1		39,199
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
AI14242-01	COLWELL, RITA R	ECOLOGICAL ROLES OF PATHOGENIC VIBRIOS	36,571
INSTITUTION TOTAL	1		36,571

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	36,571	
MARYLAND			
SILVER SPRING			
INSTITUTE FOR BEHAVIORAL RESEARCH			
HL21323-01	TAUB, EDWARD	RAYNAUD'S DISEASE AND TEMPERATURE SELF-REGULATION	70,616
INSTITUTION TOTAL	1	70,616	
JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY			
EY02054-01	HOCHHEIMER, BERNARD F	POLARIZED LIGHT RETINAL PHOTOGRAPHY	8,904
INSTITUTION TOTAL	1	8,904	
CITY TOTAL	2	79,520	
STATE TOTAL	14	669,063	
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--BOSTON HOSPITAL FOR WOMEN			
CA22342-01	GIANNPOULOS, GEORGE	HORMONE DEPENDENCE IN ENDOMETRIAL AND BREAST CANCER	74,638
INSTITUTION TOTAL	1	74,638	
AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL			
AI14185-01	SHER, F ALAN	MECHANISMS OF HOST REACTION TO SCHISTOSOMULA	58,068
AI14292-01	SOTER, NICHOLAS A	MEDIATORS OF INFLAMMATION IN DERMATOLOGIC DISEASES	30,000
INSTITUTION TOTAL	2	88,068	
BETH ISRAEL HOSPITAL			
AM0378-01	LANDSBERG, LEWIS	CARBOHYDRATE METABOLISM AND CATECHOLAMINES	56,393
AG00599-01	ROWE, JOHN W	PROGRAM PROJECT IN BIOMEDICAL ASPECTS OF AGING	189,864
INSTITUTION TOTAL	2	246,257	
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
AG00774-01	CANNON, DONALD J	COLLAGEN: MOLECULAR CHANGES WITH AGING	54,957
INSTITUTION TOTAL	1	54,957	
BOSTON UNIVERSITY			
EY02142-01	ROTHSCHILD, KENNETH J	BIOPHYSICAL STUDY OF ORIENTED PHOTORECEPTOR MEMBRANE	40,712
INSTITUTION TOTAL	1	40,712	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
CHILDREN'S HOSPITAL MEDICAL CENTER			
CA21763-01	KLUGSBRUN, MICHAEL	GROWTH CONTROL BY A MITOGEN PURIFIED FROM CARTILAGE	56,003
AG00704-01	SELKOE, DENNIS J	AGING IN THE BRAIN: ROLE OF THE FIBROUS PROTEINS	40,500
GM24411-01	SMITH, ARNOLD L	DEVELOPMENT AND UTILIZATION OF MICRO-ENZYMATIC ASSAYS	83,882
INSTITUTION TOTAL	3		180,385
<b>EYE RESEARCH INSTITUTE OF RETINA FOUNDATION</b>			
EY02099-01	ALLANSMITH, MATHEA R	OCULAR ANAPHYLAXIS	48,496
EY01975-01	POMERANTZEFF, OLEG	OPTICS APPLIED TO DIAGNOSIS AND TREATMENT OF EYE DISEASE	103,748
INSTITUTION TOTAL	2		152,244
<b>HARVARD UNIVERSITY</b>			
CA22109-01	AULT, KENNETH A	LIGAND-SURFACE RECEPTOR EFFECTS IN NEOPLASTIC LYMPHOCYTE	36,837
EY02014-01	BERSON, ELIOT L	STUDIES OF RETINITIS PIGMENTOSA AND ALLIED DISEASES	124,478
EY01938-01	DRAGER, URSULA C	DEVELOPMENTAL DEFECTS IN VISUAL SYSTEM OF MICE	27,443
EY02028-01	EDWARDS, ROSS B	STUDIES OF PIGMENT EPITHELIUM IN VITRO: PHAGOCYTOSIS	44,770
GM24069-01	ELGIN, SARAH C	RECONSTITUTION OF DROSOPHILA CHROMATIN	4,050
DE04684-01	EVANS, CARLA A	THE PERIOSTEAL INTERFACE IN CRANIOFACIAL DEVELOPMENT	25,965
HD10594-01	RUDERMAN, JOAN V	RNA SYNTHESIS AND UTILIZATION IN SEA URCHIN OOGENESIS	64,257
HL21063-01	TAGER, IHA B	EARLY RISK PREDICTORS FOR CHRONIC PULMONARY DISEASE	56,396
INSTITUTION TOTAL	8		384,196
<b>MASSACHUSETTS GENERAL HOSPITAL</b>			
AM19406-01A1	AUSIELLO, DENNIS A	STUDY OF PROTEIN PHOSPHORYLATION AND HORMONE ACTION	22,785
CA20634-01A1	IRWIN, DAVID	RIBONUCLEOPROTEIN COMPLEXES IN RENAL CARCINOMA	24,449
AM20309-01	WANDS, JACK R	HORMONAL PROTECTION AND REPAIR IN HEPATOCELLULAR INJURY	35,340
INSTITUTION TOTAL	3		82,574
<b>SIDNEY FARBBER CANCER INSTITUTE</b>			
AI14373-01	ZAJA, JOHN A	CORRELATION OF ZOSTER IMMUNITY AND VIRUS REACTIVATION	29,925
INSTITUTION TOTAL	1		29,925
CITY TOTAL	24		1,333,956
<b>CAMBRIDGE</b>			
<b>HARVARD UNIVERSITY</b>			
GM24225-01	KAPATOS, FOTIS C	REGULATION AND EVOLUTION OF A MULTIGENE FAMILY	37,415
GM23788-01	WARE, BENNIE R	AUTOMATED ELECTROPHORETIC ANALYSIS OF LIVING CELLS	37,125
INSTITUTION TOTAL	2		74,540

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MASSACHUSETTS</b>			
<b>CAMBRIDGE</b>			
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>			
HL21429-01	COLTON, CLARK K	TRANSPORT OF LDL IN THE ARTERIAL WALL	126,117
AM20368-01	DEEN, WILLIAM M	PHYSICO-CHEMICAL ASPECTS OF RENAL TRANSPORT PROCESSES	33,001
NS13881-01	HALL, LINDA M	ANALYSIS OF A TETRODOTOXIN-SENSITIVE MUTANT	56,991
HL21460-01	LEES, ROBERT S	LIPOPROTEINS, HEMOSTASIS AND ATHEROSCLEROSIS	90,304
AM20452-01	RÄSTETTER, WILLIAM H	CHELATION-ANTIBIOTICS/TREATMENT OF IRON OVERLOAD	37,573
AM20406-01	SOLOMON, EDWARD I	SPECTROSCOPIC STUDIES OF BINUCLEAR COPPER PROTEINS	40,288
AM20476-01	WOLF, GEORGE	VITAMIN A-GLYCOPHOSPHOLIPIDS AND GLYCOPROTEINS	50,545
INSTITUTION TOTAL 7 434,819			
CITY TOTAL 9 509,359			
<b>LOWELL</b>			
<b>UNIVERSITY OF LOWELL</b>			
AG00747-01	LYNCH, ROBERT D	CHANGES IN LIPID UNSATURATION AND IN VITRO CELL AGING	11,880
INSTITUTION TOTAL 1 11,880			
CITY TOTAL 1 11,880			
<b>SHREWSBURY</b>			
<b>WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY</b>			
AG00779-01	FORBES, WILLIAM B	DIETARY RESTRICTION, LONGEVITY AND CNS AGING	12,000
INSTITUTION TOTAL 1 12,000			
CITY TOTAL 1 12,000			
<b>WOODS HOLE</b>			
<b>MARINE BIOLOGICAL LABORATORY</b>			
NS13779-01	DOWLING, JOHN E	MEMBRANE TRANSDUCTION MECHANISMS--A SYMPOSIUM	3,000
INSTITUTION TOTAL 1 3,000			
CITY TOTAL 1 3,000			
STATE TOTAL 36 1,870,195			
<b>MICHIGAN</b>			
<b>ANN ARBOR</b>			
<b>UNIVERSITY OF MICHIGAN</b>			
ES01613-01	BOETTNER, EDWARD A	A STUDY OF FIBROUS DUST PROPAGATION USING HOLOGRAPHY	26,791

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DOLLARS  
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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
<b>MICHIGAN</b>			
<b>ANN ARBOR</b>			
<b>UNIVERSITY OF MICHIGAN</b>			
AG00222-01	GUTHMAN, DAVID L	THE PSYCHOLOGY OF AGING AMONG THE GOLAN DRUZE	19,089
HL18632-01A2	HIGGINS, MILLICENT W	EPIDEMIOLOGIC STUDY OF CHRONIC LUNG DISEASE	134,744
ES01611-01	RICHARDSON, RUDY J	NEUROTOXIC ESTERASE: NORMAL AND PATHOGENIC ROLES	66,230
INSTITUTION TOTAL	4		246,854
CITY TOTAL	4		246,854
<b>DETROIT</b>			
<b>WAYNE STATE UNIVERSITY</b>			
EY01935-01	BERK, RICHARD S	PSEUDOMONAS EYE INFECTIONS--AN EXPERIMENTAL MODEL	21,614
AM19338-01A1	PRASAD, ANANDA S	REQUIREMENT FOR ZINC IN MAN	21,783
EY02105-01	WEINSIEDER, ALLAN	EXTRA-OCULAR FACTORS AFFECTING LENS GROWTH	35,810
INSTITUTION TOTAL	3		79,207
CITY TOTAL	3		79,207
<b>EAST LANSING</b>			
<b>MICHIGAN STATE UNIVERSITY</b>			
HL21319-01	VAN EGEREN, LAWRENCE F	INTERPERSONAL STRESS AND CORONARY-PRONE BEHAVIOR	47,616
HL21436-01	WEAVER, LYNNE C	AUTONOMIC CONTROL OF RENAL FUNCTION	30,550
INSTITUTION TOTAL	2		78,166
CITY TOTAL	2		78,166
<b>ROCHESTER</b>			
<b>OAKLAND UNIVERSITY</b>			
EY02027-01	REDDY, VENKAT N	PROTEINS OF NORMAL AND CATARACTOUS LENSES	47,788
INSTITUTION TOTAL	1		47,788
CITY TOTAL	1		47,788
STATE TOTAL	10		452,015
<b>MINNESOTA</b>			
<b>AUSTIN</b>			
<b>UNIVERSITY OF MINNESOTA</b>			
HL21513-01	HOLMAN, RALPH T	THE METABOLISM OF TRANS FATTY ACIDS	50,843
INSTITUTION TOTAL	1		50,843
CITY TOTAL	1		50,843

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
HL21188-01	BLACKSHEAR, PERRY L, JR	PULSATORY WATER FLUX AND ENDOTHELIAL CELL DESQUAMATION	63,710
AM20311-01	LEON, ARTHUR S	EXERCISE, DIABETES AND VASCULAR RISK	61,684
EY02316-01	RAMSAY, ROBERT C	INVOLUTIONAL DIABETIC RETINOPATHY STUDY	13,010
HL21298-01	SCHWARTZ, JEFFREY	CORONARY VASOMOTION	29,058
RR00943-01A2	THEISEN, CHARLES T	ANIMAL RESOURCE IMPROVEMENT FACILITY	66,560
INSTITUTION TOTAL	5	234,022	
CITY TOTAL	5	234,022	
ROCHESTER			
MAYO FOUNDATION			
AM20411-01	GERICH, JOHN E	ALPHA AND BETA CELL FUNCTION IN HUMAN DIABETES	57,053
CA22491-01	MCKEAN, DAVID J	CHARACTERIZATION OF PRECURSOR PROTEINS AND PC RECEPTOR	78,830
HL20875-01	MILLER, R DREW	CHRONIC OBSTRUCTIVE PULMONARY DISEASE--FAMILIAL/GENETIC	74,662
INSTITUTION TOTAL	3	210,545	
CITY TOTAL	3	210,545	
SAINT PAUL			
UNIVERSITY OF MINNESOTA			
GM24096-01	GUILFOYLE, THOMAS J	REGULATION OF RNA POLYMERASES DURING DEVELOPMENT	56,550
GM24294-01	JENDRISAK, JEROME J	REGULATION OF EUKARYOTIC GENE TRANSCRIPTION	37,253
ES01605-01	MC KINNEL, ROBERT G	A PROG MUTAGENESIS TEST SYSTEM	61,729
INSTITUTION TOTAL	3	155,532	
CITY TOTAL	3	155,532	
STATE TOTAL	12	650,942	
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
NS13279-01A1	JACKSON, JOHN F	SPINOCEREBELLAR ATAXIA LINKAGE TO HL-A AND OTHER LOCI	35,802
INSTITUTION TOTAL	1	35,802	
CITY TOTAL	1	35,802	
STATE TOTAL	1	35,802	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MISSOURI</b>			
<b>COLUMBIA</b>			
UNIVERSITY OF MISSOURI-COLUMBIA			
HY02035-01	ORTWERTH, BERYL J	LENS INHIBITOR PROTEINS AND CATARACTOGENESIS	43,080
HD11239-01	RIDDLE, DONALD L	DEVELOPMENTAL GENETICS OF THE C. ELEGANS DAUER LARVA	48,781
GM24346-01	SCHMITZ, KENNETH S	CONFORMATION OF CHROMATIN MULTIMERS IN SOLUTION	54,092
INSTITUTION TOTAL	3		145,953
CITY TOTAL	3		145,953
<b>SAINT LOUIS</b>			
<b>ST. LOUIS UNIVERSITY</b>			
GM23961-01	LAMBOWITZ, ALAN M	BIOGENESIS OF MITOCHONDRIA IN NEUROSPORA	53,091
INSTITUTION TOTAL	1		53,091
CITY TOTAL	1		53,091
<b>UNIVERSITY CITY</b>			
<b>WASHINGTON UNIVERSITY</b>			
CA21923-01	BAENZIGER, JACQUES U	OLIGOSACCHARIDE STRUCTURE AND RECEPTOR SPECIFICITY	53,955
AI14267-01	BERG, DOUGLAS E	MECHANISMS OF GENE TRANSCRIPTION IN BACTERIA	40,079
GM24472-01	KIRK, DAVID L	GENETIC CONTROL OF MORPHOGENESIS IN VOLVOX	26,382
AM20421-01	OSTLUND, RICHARD E, JR	CONTRACTILE PROTEINS OF SECRETORY TISSUES	40,421
AI14365-01	PERRAULT, JACQUES	VESICULAR STOMATITIS VIRUS DI RNA, STRUCTURE & FUNCTION	54,513
AM20407-01	STRAUSS, ARNOLD W	SYNTHETIC CONTROL: FATTY ACID SYNTHETASE AND ALBUMIN	72,935
INSTITUTION TOTAL	6		288,285
CITY TOTAL	6		288,285
STATE TOTAL	10		487,329
<b>NEBRASKA</b>			
<b>OMAHA</b>			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
HD10528-01A1	BARKER, KENNETH L	REGULATION OF UTERINE RIBOSOME ACTIVITY BY ESTROGENS	84,710
HD11011-01	BLAKE, CHARLES A	MECHANISMS OF CYCLIC LH AND FSH RELEASE	61,873
INSTITUTION TOTAL	2		146,583
CITY TOTAL	2		146,583
STATE TOTAL	2		146,583

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEVADA			
UNIVERSITY OF NEVADA SYSTEM--UNIVERSITY OF NEVADA RENO			
AI14209-01	KOZEL, THOMAS R	CRYPTOCOCCAL POLYSACCHARIDE: INHIBITION OF PHAGOCYTOSIS	27,740
INSTITUTION TOTAL	1		27,740
CITY TOTAL	1		27,740
STATE TOTAL	1		27,740
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HL21246-01	CHANG, TA-YUAN	ROLES OF CHOLESTEROL AND ITS METABOLIC REGULATION	52,252
INSTITUTION TOTAL	1		52,252
CITY TOTAL	1		52,252
STATE TOTAL	1		52,252
NEW JERSEY			
NEW BRUNSWICK			
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK			
GM24391-01	SINHA, MAVIN K	IN VITRO ANALYSIS OF A DNA REPLICATION APPARATUS	43,100
INSTITUTION TOTAL	1		43,100
CITY TOTAL	1		43,100
STATE TOTAL	1		43,100
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
CA19564-01A1	JANERICH, DWIGHT T	CANCER IN PARENTS OF CONGENITALLY DEFECTIVE CHILDREN	34,288
GM24006-01	ROSE, HARALD H	IMAGING METHODS FOR BIOLOGICAL OBJECTS IN EM	49,187
INSTITUTION TOTAL	2		83,475
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE			
EY02146-01	KARTEN, HARVEY J	RETINAL GANGLION CELLS AND ACCESSORY OPTIC NUCLEI	73,910
INSTITUTION TOTAL	1		73,910

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK ALBANY STATE UNIVERSITY OF NEW YORK AT ALBANY AG00682-01 ALLINGTON, RICHARD L EY02101-01 GILCHRIST, ALAN L		IDENTIFYING AND EASING THE READING DEMANDS OF THE AGED REFLECTANCE AND ILLUMINATION EDGES	12,000 13,365
INSTITUTION TOTAL	2	25,365	
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE GM24409-01 HOF, LISELOTTE B HL21118-01 THOMAS, WILBUR A		A FLUORESCENT LABEL FOR CELL SURFACE SIALIC ACIDS PATHOLOGY OF ATHEROSCLEROSIS: CELL BIRTHS AND DEATHS	29,017 90,000
INSTITUTION TOTAL	2	119,017	
CITY TOTAL	7	301,767	
BUFFALO STATE UNIVERSITY OF NEW YORK AT BUFFALO GM24211-01 JUSKO, WILLIAM J HL21294-01 SACHS, FREDERICK		AGE AND DISEASE IN DRUG DISPOSITION VOLTAGE CLAMP OF ISOLATED CARDIAC PURKINJE CELLS	66,217 53,352
INSTITUTION TOTAL	2	119,569	
CITY TOTAL	2	119,569	
COLD SPRING HARBOR COLD SPRING HARBOR LABORATORY GM24226-01 BROACH, JAMES R		GENETIC REGULATION OF GALACTOSE METABOLISM IN YEAST	44,575
INSTITUTION TOTAL	1	44,575	
CITY TOTAL	1	44,575	
GARDEN CITY ADELPHI UNIVERSITY EY02073-01 GM24267-01 BETTELHEIM, FREDERICK A DAVIS, DONALD G		STUDIES OF INDUCED CATARACTS IN FISH LENSES THE CONFORMATION AND FUNCTION OF CYCLIC PEPTIDES	17,249 14,061
INSTITUTION TOTAL	2	31,310	
CITY TOTAL	2	31,310	
ITHACA CORNELL UNIVERSITY AM20379-01 ALBRECHT, ANDREAS C		NEAR ULTRAVIOLET RAMAN STUDIES OF CYTOCHROME P450	49,018

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NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>NEW YORK</b>			
<b>ITHACA</b>			
CORNELL UNIVERSITY			
HL21684-01	ALONSO, DANIEL R	RADIONUCLIDE INPARCT SIZING AND THERAPY EVALUATION	109,097
AM18946-01A1	AUSTIC, RICHARD E	INTERACTION OF NA AND K IN HYPERURICEMIA AND GOUT	25,745
AI14340-01	CALVO, JOSEPH M	REGULATION OF LEUCINE BIOSYNTHESIS IN BACTERIA	39,865
GM24314-01	MORRISON, GEORGE H	ION MICROSCOPY IN BIOLOGY AND MEDICINE	41,349
INSTITUTION TOTAL	5	265,074	
CITY TOTAL	5	265,074	
<b>LAKE PLACID</b>			
TISSUE CULTURE ASSOCIATION--W. ALTON JONES CELL SCIENCE CENTER			
HL22166-01	DOUGLAS, WILLIAM H	CYSTIC FIBROSIS	3,600
INSTITUTION TOTAL	1	3,600	
CITY TOTAL	1	3,600	
<b>NEW YORK</b>			
CITY UNIVERSITY OF NEW YORK--HERBERT H. LEHMAN COLLEGE			
LM03001-01	ACKERMAN, EVELYN B	A HISTORY OF MEDICAL CARE IN RURAL FRANCE, 1700-1915	24,568
INSTITUTION TOTAL	1	24,568	
<b>CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE</b>			
HL21105-01	ORLOWSKI, MARIAN	ORGAN SPECIFIC DRUGS: CARDIOVASCULAR AND RENAL EFFECTS	45,359
EY01976-01	REINACH, PETER S	COUPLING BETWEEN METABOLISM/IONIC TRANSPORT IN CORNEAS	33,464
INSTITUTION TOTAL	2	78,823	
<b>CITY UNIVERSITY OF NEW YORK--QUEENS COLLEGE</b>			
EY01802-01	FRUMKES, THOMAS E	ROD-CONE INTERRELATIONSHIPS IN HUMAN VISION	64,741
INSTITUTION TOTAL	1	64,741	
<b>COLUMBIA UNIVERSITY</b>			
NS13951-01	ABRAMSON, MAXWELL	PATHOGENESIS AND BONE RESORPTION IN AURAL-CHOLESTEATOMA	94,317
HL21368-01	DANILO, PETER, JR	PERINATAL CARDIAC ELECTROPHYSIOLOGY	34,707
GM24307-01	GANGAT, YAKUB M	ANESTHETICS/CAMP SYSTEM: MODE OF ACTION; HEART EFFECT	31,325
EY02115-01	HOOD, DONALD C	CONE SATURATION AND LIGHT ADAPTATION IN HUMANS	22,723
NS13403-01A1	KELLY, JAMES P	ANATOMICAL STUDIES OF THE AUDITORY CORTEX	47,870
CA19424-01A1	ZEGARELLI, EDWARD V	CLINICAL CANCER EDUCATION GRANT	16,735
INSTITUTION TOTAL	6	247,677	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
CORNELL UNIVERSITY MEDICAL CENTER			
AG00681-01	GOIDL, EDMOND A	LYMPHOCYTE FUNCTION IN AGING HUMANS	12,000
AM20198-01	LIEBOW, CHARLES	ENTEROPANCREATIC CIRCULATION OF DIGESTIVE PROTEINS	40,000
INSTITUTION TOTAL	2	52,000	
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
CA20681-01A1	LEPLEY, JAMES B	CLINICAL CANCER EDUCATION (DENTAL)	72,945
INSTITUTION TOTAL	1	72,945	
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--INSTITUTE FOR BASIC RESEARCH IN MENTAL RETARDATION			
NS13980-01	GOULD, ROBERT M	COMPLEX LIPID METABOLISM IN THE AXON	50,420
INSTITUTION TOTAL	1	50,420	
NEW YORK UNIVERSITY			
NS14014-01	LLINAS, RODOLFO R	ROLE OF CALCIUM IN SYNAPTIC TRANSMITTER RELEASE	22,460
RR01082-01	MOOR-JANKOWSKI, JAN	BLOOD GROUPS IN PRIMATES	169,182
EY02017-01	MOVSHON, J ANTHONY	QUANTITATIVE STUDIES OF THE CENTRAL VISUAL SYSTEM	42,682
CA21275-01	ROBINSON, HARRY L	CLINICAL CANCER EDUCATION	58,045
INSTITUTION TOTAL	4	292,369	
ROCKEFELLER UNIVERSITY			
AM20357-01	COWBURN, DAVID A	DYNAMIC CONFORMATIONS OF PEPTIDES	43,000
NS12730-01A2	GHEZ, CLAUDE P	INPUT OUTPUT RELATIONS IN VOLUNTARY MOVEMENT	56,072
GM24047-01	GISIN, BALTHASAR F	STRUCTURE AND FUNCTION OF PEPTIDE INCLUSION COMPLEXES	48,309
AI13728-01A1	KILEJIAN, ARAXIE	HOST-PARASITE INTERACTIONS IN MALARIA	62,520
HL20909-01	LAZAROW, PAUL B	CLOFIBRATE-ENHANCED LIPID OXIDATION BY PEROXISOMES	34,502
INSTITUTION TOTAL	5	244,403	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
CA22242-01	DE HARVEN, ETIENNE	SCANNING EM OF LYMPHOCYTES WITH MARKERS FOR SIG	18,470
INSTITUTION TOTAL	1	18,470	
YESHIVA UNIVERSITY			
HL21167-01	ARONSON, RONALD S	THE ELECTROPHYSIOLOGY OF CARDIAC HYPERTROPHY	28,094
EY01804-01A1	BAUM, GILBERT	OCULAR TUMOR DIAGNOSIS	88,764
INSTITUTION TOTAL	2	116,858	
CITY TOTAL	26	1,263,274	

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RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
NEW YORK POTSDAM CLARKSON COLLEGE OF TECHNOLOGY GM24068-01	PETHICA, BRIAN A	THE EFFECTS OF APPLIED ELECTRIC FIELDS ON SURFACE FILMS	34,857
INSTITUTION TOTAL	1		34,857
CITY TOTAL	1		34,857
 ROCHESTER ROCHESTER INSTITUTE OF TECHNOLOGY GM24408-01	LIPPERT, JOSEPH L	RAMAN SPECTRAL STUDIES OF LIPID-PROTEIN INTERACTIONS	36,910
INSTITUTION TOTAL	1		36,910
UNIVERSITY OF ROCHESTER AG00709-01	SPATARO, ANN C	THE DRUG SENSITIVITY OF AGING CELLS	12,000
INSTITUTION TOTAL	1		12,000
CITY TOTAL	2		48,910
 SYRACUSE SYRACUSE UNIVERSITY CA20454-01A1 AG00111-01A1 GM24367-01	CHAN, SAMUEL H P GARVEY, JUSTINE S LIPSON, EDWARD D	ADENINE NUCLEOTIDE TRANSLOCATION IN TUMOR MITOCHONDRIA ANTIGEN METABOLISM IN MATURING AND SENESCENT ANIMALS SYSTEM ANALYSIS OF PHYCOMYCES PHOTOMUTANTS	39,366 56,761 34,114
INSTITUTION TOTAL	3		130,241
CITY TOTAL	3		130,241
STATE TOTAL	50		2,243,177
 NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL CA22093-01 DE04731-01	HUTT, LINDSEY M MINKOFF, ROBERT	FUNCTIONS OF ATYPICAL LYMPHOCYTES ANALYSIS OF PRIMARY PALATE FORMATION	36,605 48,438
INSTITUTION TOTAL	2		85,043
CITY TOTAL	2		85,043
 CULLOWHEE UNIVERSITY OF NORTH CAROLINA SYSTEM--WESTERN CAROLINA UNIVERSITY HL21176-01	LUMB, ROGER H	PHOSPHOLIPID EXCHANGE PROTEINS IN LUNG TISSUE	32,192

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1		32,192
CITY TOTAL	1		32,192
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
AI14314-01	BUCKLEY, REBECCA H	HUMAN LYMPHOCYTE RESPONSES TO POLLEN ALLERGENS	39,222
AN20201-01	DAY, EUGENE D	AUTOIMMUNE PHENOMENA INDUCED BY SIALYL MUCINS IN THE RAT	47,717
EY01953-01	HEMPEL, FRANKLIN G	CYTOCHROME REDOX STATES IN FUNCTIONING RETINA	42,164
NS14256-01	ODOM, GUY L	CENTRAL NERVOUS SYSTEM--TRAUMA RESEARCH STATUS REPORT	15,219
HL21347-01	PRITCHETT, EDWARD L	ACCESSORY PATHWAYS AND SUPRAVENTRICULAR TACHYCARDIA	29,783
NS13455-01A1	ROSES, ALLEN D	BIOCHEMICAL STUDIES OF MEMBRANE PROTEINS IN DUCHENNE MD	49,269
INSTITUTION TOTAL	6		223,374
CITY TOTAL	6		223,374
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH			
AN20251-01	THEIL, ELIZABETH C	DEVELOPMENTAL REGULATION OF RED CELL FERRITIN CONTENT	40,179
INSTITUTION TOTAL	1		40,179
CITY TOTAL	1		40,179
WINSTON-SALEM			
WAKE FOREST UNIVERSITY			
HL21260-01	RUDEL, LAWRENCE L	RISK FACTOR RELATIONSHIPS OF ATHEROSCLEROSIS	55,585
INSTITUTION TOTAL	1		55,585
CITY TOTAL	1		55,585
STATE TOTAL	11		436,373
OHIO			
CINCINNATI			
UNIVERSITY OF CINCINNATI			
AI13702-01	BERNSTEIN, I LEONARD	MITE AND ALGAE IN CLINICAL HOUSE DUST ALLERGY	62,855
ES01601-01	MANSON, JEANNE M	TERATOGENICITY OF CHLORINATED HYDROCARBON SOLVENTS	58,181
INSTITUTION TOTAL	2		121,036
CITY TOTAL	2		121,036

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HD11089-01	ADAM, PETER A	DISORDERED FETAL METABOLISM: ANTENATAL INTERVENTION	500,000
LM03028-01	GOFFMAN, WILLIAM	PROBLEM ORIENTED BILIOMETRY	32,053
AM20272-01	NASH, CLYDE L, JR	EFFECTS OF SCOLIOSIS ON SPINAL DISC GEOMETRY	35,153
INSTITUTION TOTAL	3	567,206	
CLEVELAND CLINIC HOSPITAL			
HL21438-01	GERRITY, ROSS G	THE STRUCTURE AND PERMEABILITY OF ARTERIAL ENDOTHELIUM	60,000
INSTITUTION TOTAL	1	60,000	
CITY TOTAL	4	627,206	
COLUMBUS			
OHIO STATE UNIVERSITY			
CA24751-01	KELLER, MARTIN D	A CANCER CENTER EPIDEMIOLOGY BIOSTATISTIC UNIT	25,000
AM20387-01	SPRECHER, HOWARD W	FACTORS MODIFYING BLOOD PLATELET FUNCTION IN DIABETICS	51,597
INSTITUTION TOTAL	2	76,597	
CITY TOTAL	2	76,597	
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO			
ES01599-01	ASKARI, AMIR	EFFECTS OF MERCURIAL POISONS ON NA <sup>+</sup> , K <sup>+</sup> -ATPASE	37,930
HL21196-01	RHEE, HEE M	DIGITALIS INDUCED ARRHYTHMIA AND NA <sup>+</sup> , K <sup>+</sup> -ATPASE ACTIVITY	28,528
INSTITUTION TOTAL	2	66,458	
CITY TOTAL	2	66,458	
STATE TOTAL	10	891,297	
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
AM21347-01	EICHNER, EDWARD R	EFFECT OF ETHANOL AND OTHER DRUGS ON FOLATE METABOLISM	30,000
BB01098-01	HOLMES, DONALD D	ANIMAL RESOURCE DIAGNOSTIC LABORATORY	48,362
INSTITUTION TOTAL	2	78,362	
CITY TOTAL	2	78,362	
STATE TOTAL	2	78,362	

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RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
OREGON			
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
GM24182-01	POSTLETHWALT, JOHN H	DETERMINATION AND PATTERN FORMATION IN DROSOPHILA	53,276

INSTITUTION TOTAL	1	53,276
CITY TOTAL	1	53,276

PORTLAND			
MEDICAL RESEARCH FOUNDATION OF OREGON			
EY02040-01	MALINOW, MANUEL R	RETINAL & CHOROIDAL ATHEROSCLEROSIS IN MONKEYS	40,731

INSTITUTION TOTAL	1	40,731
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OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
HD11251-01	BISSONNETTE, JOHN M	CONTROL OF FETAL BREATHING MOVEMENTS	32,385
EY02118-01	GIPSON, ILENE K	CELL MOTILITY AND ADHESION IN CORNEAL WOUND HEALING	62,377
HL21293-01	KLOSTER, FRANK E	RANDOMIZED STUDY OF CORONARY BYPASS SURGERY	48,233
HL21303-01	LAYMAN, DON L	COLLAGEN SYNTHESIS BY CULTURED HUMAN VASCULAR CELLS	60,660
NS12813-01A2	RIKER, WILLIAM K	ANTICONVULSANT NEUROPHARMACOLOGY: SITE OF DRUG ACTION	37,920
GM24274-01	WYANDT, HERMAN E	SOMATIC STUDIES OF HUMAN RING CHROMOSOMES	59,760

INSTITUTION TOTAL	6	301,335
CITY TOTAL	7	342,066

STATE TOTAL	8	395,342
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PENNSYLVANIA			
HAVERFORD			
HAVERFORD COLLEGE			
ES01572-01	LERMAN, CHARLES L	ACTIVE SITE OF DELTA-AMINOLEVULINIC ACID DEHYDRATASE	20,500

INSTITUTION TOTAL	1	20,500
CITY TOTAL	1	20,500

HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
HL21209-01	LIEDTKE, A JAMES	ALTERATIONS OF METABOLISM IN ISCHEMIC MYOCARDIUM	62,209
AM19714-01	SCHOLWERTH, ANTON C	MITOCHONDRIAL TRANSPORT AND RENAL AMMONIAGENESIS	40,645

INSTITUTION TOTAL	2	102,854
CITY TOTAL	2	102,854

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA PHILADELPHIA INSTITUTE FOR CANCER RESEARCH ER01103-01 GM21538-01A2	EATON, GORDON J WEEKS, DONALD P	PROGRAM FOR IMPROVING ANIMAL RESOURCES FACILITY REGULATION OF PROTEIN SYNTHESIS IN C. REINHARDI	88,950 35,900
INSTITUTION TOTAL	2	124,850	
MEDICAL COLLEGE OF PENNSYLVANIA NS13768-01	ROSS, LEONARD L	DEVELOPMENT AND REGENERATION OF THE NERVOUS SYSTEM	253,159
INSTITUTION TOTAL	1	253,159	
PHILADELPHIA GERIATRIC CENTER AG00768-01	GRANICK, SAMUEL	ORGANIC BRAIN SYNDROME IN ELDERLY COMMUNITY RESIDENTS	60,557
INSTITUTION TOTAL	1	60,557	
TEMPLE UNIVERSITY HL21128-01 CA21859-01	DANIEL, JAMES L JOSEPH, ROSALINE R	ATP UTILIZATION IN PLATELET CONTRACTILE MECHANISMS CLINICAL CANCER EDUCATION PROGRAM	27,175 149,226
INSTITUTION TOTAL	2	176,401	
THOMAS JEFFERSON UNIVERSITY AG00691-01 HL21452-01	KAJI, HIDEKO SPATH, JAMES A, JR	REGULATION OF MACROMOLECULAR SYNTHESIS IN CELLULAR AGING PULMONARY CAPILLARY FILTRATION IN MYOCARDIAL ISCHEMIA	42,250 32,776
INSTITUTION TOTAL	2	75,026	
UNIVERSITY OF PENNSYLVANIA AM19933-01 HD11273-01 GM24266-01 HL21061-01 GM23766-01	BLACK, JONATHAN DONOGHUE, SUSAN OPELLA, STANLEY J SHATTIL, SANFORD J VOET, DONALD H	THE MECHANICAL PROPERTIES OF ISOLATED, VIABLE OSTEOONS VITAMIN A METABOLISM IN PREGNANT AND PERINATAL LIFE NMR STUDIES OF BIOLOGICAL SUPRAMOLECULAR STRUCTURES HUMAN PLATELET MEMBRANE FLUIDITY IN THROMBOSIS STRUCTURAL STUDIES OF BIOMOLECULES	59,288 21,995 27,368 30,000 30,000
INSTITUTION TOTAL	5	168,651	
WISSTAR INSTITUTE OF ANATOMY AND BIOLOGY AI14162-01	DOHERTY, PETER C	CELL-MEDIATED IMMUNITY IN INFLUENZA	75,995
INSTITUTION TOTAL	1	75,995	
CITY TOTAL	14	934,639	

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA PITTSBURGH EYE AND EAR HOSPITAL OF PITTSBURGH EY01991-01	BROWN, STUART I	STUDY AND TREATMENT OF IMMUNE OCULAR DISEASES	81,171
INSTITUTION TOTAL	1		81,171
UNIVERSITY OF PITTSBURGH RR01101-01 GM23285-01A1 GM233516-01A1	POPLE, HARRY E SUSSMAN, MAURICE WALSH, CHARLES J	CLINICAL DECISION SYSTEMS RESEARCH RESOURCE ONTOGENY AND FUNCTION OF D. DISCOIDEUM ORGANELLES GENE REGULATION DURING DIFFERENTIATION OF NAEGLERIA	160,414 41,087 54,461
INSTITUTION TOTAL CITY TOTAL	3 4		255,962 337,133
UNIVERSITY PARK PENNSYLVANIA STATE UNIVERSITY GM24129-01 HL21283-01 AI14461-01 HD11479-01	BENKOVIC, STEPHEN J GESELOWITZ, DAVID B MC DONEL, JAMES L TURPEN, JAMES B	THE TRANSFORMYLASE ENZYMES SIMULATION STUDIES OF THE ECG IN ACUTE ISCHEMIA MECHANISM OF ACTION OF C. PERFRINGENS ENTEROTOXIN DEVELOPMENTAL ANALYSIS OF LYMPHOPOIESIS	58,565 47,017 35,567 63,186
INSTITUTION TOTAL CITY TOTAL	4 4		204,335 204,335
STATE TOTAL	25		1,599,461
RHODE ISLAND KINGSTON GORDON RESEARCH CONFERENCES GM24050-01 GM24371-01	BAER, JOHN E FINK, GERALD R	GORDON RESEARCH CONFERENCE ON DRUG METABOLISM, 1977 GORDON CONFERENCE ON BIOLOGICAL REGULATORY MECHANISMS	2,000 5,500
INSTITUTION TOTAL CITY TOTAL	2 2		7,500 7,500
STATE TOTAL	2		7,500
SOUTH CAROLINA CLEMSON CLEMSON UNIVERSITY AM20483-01	COOKE, FRANCIS W	PMMA STRENGTH, SURGICAL TECHNIQUE & IMPLANT FRACTURE	29,916

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
SOUTH CAROLINA CLEMSON UNIVERSITY AM19828-01	PARK, JOON B	IMPLANT FIXATION IN BONE BY ELECTRICAL STIMULATION	14,849
INSTITUTION TOTAL CITY TOTAL	2 2	44,765 44,765	
COLUMBIA UNIVERSITY OF SOUTH CAROLINA CA17260-01A2	ANNA, ELMER L	NATURE OF THE ACTIVE SITE OF THYMIDYLATE SYNTHETASE	18,024
INSTITUTION TOTAL CITY TOTAL	1 1	18,024 18,024	
STATE TOTAL	3	62,789	
TENNESSEE KNOXVILLE UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE AI4367-01 BRIAN, DAVID A HL21369-01 CLARK, JEFFREY N		CORONAVIRUS STRUCTURE AND REPLICATION TRACHEAL MUCIN SYNTHESIS IN EXPERIMENTAL BRONCHITIS	29,500 28,650
INSTITUTION TOTAL CITY TOTAL	2 2	58,150 58,150	
MEMPHIS ST. JUDE CHILDREN'S RESEARCH HOSPITAL AI44293-01 BEAN, WILLIAM J, JR		STUDY OF THE EVOLUTION OF INFLUENZA A VIRUSES	28,892
INSTITUTION TOTAL	1	28,892	
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES AM20385-01 DIXIT, SARYU N HL21641-01 MASHBURN, THOMPSON A, JR HL20597-01 MIRVIS, DAVID M		CHEMISTRY OF GLOMERULAR BASEMENT MEMBRANE COLLAGENS STRUCTURAL STUDIES OF LUNG PROTEOGLYCANS ELECTROPHYSIOLOGIC CORRELATES OF MYOCARDIAL ISCHEMIA	43,260 47,244 98,589
INSTITUTION TOTAL CITY TOTAL	3 4	189,093 217,985	
NASHVILLE VANDERBILT UNIVERSITY ES01590-01 GUENGERICH, F PETER		ENZYMIC ACTIVATION OF ENVIRONMENTAL TOXINS	67,970

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE NASHVILLE VANDERBILT UNIVERSITY HL20770-01	SHAND, DAVID G	TREATMENT OF VENTRICULAR ARRHYTHMIAS WITH PROPRANOLOL	89,371
INSTITUTION TOTAL	2	157,341	
CITY TOTAL	2	157,341	
STATE TOTAL	8	433,476	
TEXAS ARLINGTON UNIVERSITY OF TEXAS HL2426-01	SYSTEM--UNIVERSITY OF TEXAS AT ARLINGTON GATCHEL, ROBERT J	INVESTIGATION OF LEARNED HEART-RATE CONTROL	32,790
INSTITUTION TOTAL	1	32,790	
CITY TOTAL	1	32,790	
AUSTIN UNIVERSITY OF TEXAS NS13764-01 HD11113-01 NS13276-01A1 AM20270-01	SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN DIEHL, RANDY L HAWKINS, RAYMOND C, II POLIAK, GEORGE D WANG, KUAN	SELECTIVE ADAPTATION TO SPEECH SOUNDS PSYCHOSOCIAL RISKS DURING PREGNANCY AND EARLY INFANCY A SINGLE UNIT ANALYSIS OF THE AUDITORY SYSTEM CONTRACTILE PROTEINS AND GROWTH CONTROL OF EUKARYOTES	26,828 25,000 36,108 55,370
INSTITUTION TOTAL	4	143,306	
CITY TOTAL	4	143,306	
COLLEGE STATION TEXAS AGRICULTURAL GM23877-01 HL21498-01	AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY ADAMS, EMORY T, JR GRANGER, HARRIS J	BILE SALT SYSTEMS--INTERACTIONS AND CATALYSES PATHOPHYSIOLOGY OF EDEMA	76,233 40,127
INSTITUTION TOTAL	2	116,360	
CITY TOTAL	2	116,360	
DALLAS UNIVERSITY OF TEXAS AI14742-01A2 HL20594-01 HL20948-01	SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS CAPRA, J DONALD ERDOS, ERVIN G GOLDSTEIN, JOSEPH L	STUDIES ON THE H-2 LINKED SS PROTEIN AND HUMAN C4 RENAL ENZYMES THAT REGULATE BLOOD PRESSURE MOLECULAR BASIS OF CHOLESTEROL METABOLISM	59,241 65,688 412,469

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>DALLAS</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
HD11149-01	MAC DONALD, PAUL C	INITIATION OF HUMAN LABOR: PREVENTION OF PREMATURITY	355,498
RR01105-01	PAKES, STEVEN P	IMPROVEMENT OF ANIMAL RESOURCES	80,690
CA22034-01	SMITH, R GRAHAM	DIFFERENTIATION ANTIGENS OF HUMAN LYMPHOBLASTOID CELLS	28,046
RR01133-01	STREILEIN, J WAYNE	PRODUCTION OF SYRIAN HAMSTER CONGENERIC STRAINS	38,475
INSTITUTION TOTAL	7	1,040,107	
CITY TOTAL	7	1,040,107	
<b>GALVESTON</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
HL21327-01	BOOR, PAUL J	MOLECULAR MECHANISMS OF CHEMICAL MYOCARDIOPATHIES	32,032
CA18877-01A2	HABER, BERNARD	PURIFICATION OF ENDOTHELIAL MITOGEN CNS TUMOR ORIGIN	44,509
AG00757-01	PARKENING, TERRY A	OVARIAN MORPHOLOGY AND FUNCTION IN THE AGED MOUSE	12,000
AI14245-01	SCHMALSTIEG, FRANK C, JR	A SERUM INHIBITOR OF LYMPHOCYTE MOTILITY	29,998
INSTITUTION TOTAL	4	118,539	
CITY TOTAL	4	118,539	
<b>HOUSTON</b>			
BAYLOR COLLEGE OF MEDICINE			
GM23905-01	HOLMQUIST, GERALD P	G-BANDING MECHANISMS IN MAMMALIAN CHROMOSOMES	60,708
GM23517-01	TERMAN, DAVID S	IMMUNOADSORBENTS FOR SPECIFIC IMMUNOTHERAPY	55,829
INSTITUTION TOTAL	2	116,537	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
AM19531-01	RAY, TUSHAR K	BIOCHEMICAL ASPECTS OF H+ TRANSPORT FROM STOMACH	38,944
INSTITUTION TOTAL	1	38,944	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
CA21784-01	GUINEE, VINCENT F	EXPLORATORY STUDIES ON CANCER PATIENT DATA CONTROL	68,551
AM20383-01	SAUNDERS, GRADY F	INSULIN GENE EXPRESSION DURING PANCREAS DEVELOPMENT	42,676
INSTITUTION TOTAL	2	111,227	
CITY TOTAL	5	266,708	
<b>LUBBOCK</b>			
TEXAS TECH UNIVERSITY			
HL21257-01	OREM, JOHN M	BREATHING IN SLEEP: AIRWAY CONTROL AND BLOOD GASES	20,838

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
TEXAS			
LUBBOCK			
TEXAS TECH UNIVERSITY			
GM23765-01	ROBINSON, G WILSE	SUBNANOSECOND PRIMARY EVENTS IN BIOLOGY	33,849

INSTITUTION TOTAL	2	54,687
CITY TOTAL	2	54,687

SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS		HEALTH SCIENCE CENTER AT SAN ANTONIO	
GM24365-01	SERWER, PHILIP	BIOPHYSICS AND GENETICS OF VIRAL DNA PACKAGING	39,438

INSTITUTION TOTAL	1	39,438
CITY TOTAL	1	39,438
STATE TOTAL	26	1,811,935

UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH		ONTOGENY OF HOMEOSTATIC TRANSPORT IN CHOROID PLEXUS	16,340
NS13988-01	JOHANSON, CONRAD E	CALCIUM AND TRANSMITTER RELEASE AT A CENTRAL SYNAPSE	37,596
NS13884-01	RINGHAM, GARY L	MOVING-SLIT RADIOGRAPHY: X-RAY CONTRAST ENHANCEMENT	73,300
GM24029-01	SORENSEN, JAMES A	EFFECT OF VASOACTIVE AGENTS ON LEFT-TO-RIGHT SHUNTS	34,606
HL21203-01	SYNHORST, DAVID P	GENETIC PATTERNS IN DEATHS FROM MI AND STROKE IN UTAH	81,220
HL21088-01	WILLIAMS, ROGER R		

INSTITUTION TOTAL	5	243,062
CITY TOTAL	5	243,062
STATE TOTAL	5	243,062

VIRGINIA			
BLACKSBURG			
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY		ALTERNATE PATHWAYS IN CELLULAR AGING	
AG00677-01	RUTHERFORD, CHARLES L		

INSTITUTION TOTAL	1	30,257
CITY TOTAL	1	30,257

CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
AI14240-01	HENDLEY, J OWEN	CHARACTERIZATION OF THE CAPSULE ON NEISSERIA GONORRHOEA	29,780

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA CHARLOTTESVILLE UNIVERSITY OF VIRGINIA GM24313-01 AM20520-01	MILLER, EDWARD D PAULSEN, ELSA P	ANESTHETICS - RENIN - SYMPATHETIC NERVOUS SYSTEM COMPARATIVE STUDIES OF THREE FORMS OF CHILDHOOD DIABETES	32,579 39,769
INSTITUTION TOTAL CITY TOTAL	3 3	102,128 102,128	
NORFOLK EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL HL21083-01	CASTLE, MANFORD C	PHARMACOKINETICS OF DIGOXIN AND DIGITOXIN IN HUMANS	31,996
INSTITUTION TOTAL CITY TOTAL	1 1	31,996 31,996	
RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY CA22032-01 AM20317-01 GM24885-01 DE04700-01	HAZRA, TAPAN A LITTMAN, BRUCE H MARTINEZ-CARRION, MARINO MURRAY, BYRON K	CLINICAL CANCER EDUCATION PROGRAM REGULATION OF CELLULAR COOPERATION BY SOLUBLE FACTORS PROBES OF MOLECULAR FUNCTION IN PYRIDOXAL ENZYMES VACCINATION AGAINST ORAL HERPETIC LESIONS	146,481 29,935 50,393 56,668
INSTITUTION TOTAL CITY TOTAL	4 4	283,477 283,477	
STATE TOTAL	9	447,858	
WASHINGTON PULLMAN WASHINGTON STATE UNIVERSITY AG00674-01	HAYTON, WILLIAM L	EFFECTS OF AGING ON DRUG BIOAVAILABILITY	11,982
INSTITUTION TOTAL CITY TOTAL	1 1	11,982 11,982	
SEATTLE UNIVERSITY OF WASHINGTON EY02048-01 EY01950-01 HL21750-01	DETWILER, PETER B LUND, RAYMOND D REICHENBACH, DENNIS D	A STUDY OF ELECTRICAL COUPLING IN VERTEBRATE RETINA TRANSPLANTATION STUDIES OF THE RAT VISUAL SYSTEM ELECTROCARDIOGRAPHIC QUANTIFICATION OF INFARCT SIZE	49,634 70,485 18,984

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON HL18931-01A1 GM23910-01 AM20284-01 RR01095-01	RICHMOND, VIRGINIA L SHAPIRO, BENNETT M SMITH, PHILLIP H VAN HOCSIER, GERALD L, JR	LUNG ELASTIC TISSUE CHARACTERISTICS FERTILIZATION: MOLECULAR EVENTS OF CORTICAL REACTION NEURAL CONTROL OF ISLET MASS IN OBESE/DIABETIC RATS ANIMAL RESOURCES DEVELOPMENT	32,681 39,348 24,720 413,198
INSTITUTION TOTAL	7	649,050	
VIRGINIA MASON RESEARCH CENTER HL20773-01	HILDEBRANDT, JACOB	SURFACTANT, PULMONARY EDEMA, AND LUNG MECHANICS	26,290
INSTITUTION TOTAL	1	26,290	
CITY TOTAL	8	675,340	
STATE TOTAL	9	687,322	
WISCONSIN KENOSHA UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-PARKSIDE GM22543-01A2	CHEN, CHONG-MAW	MOLECULAR CONTROL OF CELL DIVISION AND DIFFERENTIATION	14,550
INSTITUTION TOTAL	1	14,550	
CITY TOTAL	1	14,550	
MADISON UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON GM24109-01 EY02034-01 CA22140-01 HL21646-01 NS13453-01A1 AM20120-01 CA21790-01	CRAVEN, GARY R DE VENECIA, GUILLERMO B NORBACK, DIANE H O'BRIEN, JOHN F ROYCE, GEORGE J SMITHIES, OLIVER TAKAYAMA, KUNI K	THE STRUCTURE AND ASSEMBLY OF THE 30S RIBOSOME PRIMATE RETINA AND CHOROID IN MALIGNANT HYPERTENSION CARCINOGENIC ACTION OF POLYCHLORINATED BIPHENYLS BIOSYNTHESIS OF FRACTIONATED PROTEOGLYCANS OF LUNG THALAMIC CONNECTIONS DNA CONTROLLING THE SYNTHESIS OF HUMAN HBF AND HBA ANTITUMOR ACTIVITY OF GLYCOLIPID-ENDOTOXIN MIX	84,208 36,419 35,000 32,471 27,385 110,804 47,229
INSTITUTION TOTAL	7	373,516	
CITY TOTAL	7	373,516	
MILWAUKEE MEDICAL COLLEGE OF WISCONSIN HL21434-01	STONE, DAVID F	INTRINSIC CONTROL OF CORONARY BLOOD FLOW BY CHEMICALS	28,890
INSTITUTION TOTAL	1	28,890	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
CITY TOTAL	1		28,890
STATE TOTAL	9		416,956
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES			
AM19989-01	MARGOUB, AHMED	EFFECTS OF VITAMIN D3 METABOLITES ON BONE, IN VITRO	46,032
INSTITUTION TOTAL	1		46,032
CITY TOTAL	1		46,032
STATE TOTAL	1		46,032
CANADA			
LONDON			
UNIVERSITY OF WESTERN ONTARIO			
NS14164-01	BARNETT, HENRY J	EXTRACRANIAL/INTRACRANIAL ARTERIAL ANASTOMOSIS STUDY	200,000
ES01535-01	CHERIAN, M GEORGE	NATURE OF LEAD AND MERCURY BINDING NUCLEAR PROTEINS	12,512
INSTITUTION TOTAL	2		212,512
CITY TOTAL	2		212,512
MONTREAL			
JEWISH GENERAL HOSPITAL			
GM23763-01	PERDUE, JAMES F	CONTROL OF CELL GROWTH BY MITOGEN RECEPTORS	53,402
INSTITUTION TOTAL	1		53,402
CITY TOTAL	1		53,402
STATE TOTAL	3		265,914
TOTAL	404		21,476,903

53,402

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
NS72364-00	MEINKE, WILLIAM J	DETECT VIRAL GENOMES IN HUMAN NEUROLOGICAL DISEASES	120,804
INSTITUTION TOTAL	1		120,804
CITY TOTAL	1		120,804
STATE TOTAL	1		120,804
CALIFORNIA			
LOS ANGELES			
COMMUNITY CANCER CONTROL			
CN75400-00	PICK, RUTH ANN	COMMUNITY-BASED CANCER CONTROL PROGRAM	232,232
INSTITUTION TOTAL	1		232,232
UNIVERSITY OF SOUTHERN CALIFORNIA			
AM72218-00	MASSRY, SHAUL G	ROLE OF PARATHYROID AS A UREMIC TOXIN	68,890
INSTITUTION TOTAL	1		68,890
CITY TOTAL	2		301,122
MENLO PARK			
STANFORD RESEARCH INSTITUTE INTERNATIONAL			
HD72826-00	HELLER, JORGE	DEVELOP AND TEST NEW BIODEGRADABLE DRUG DELIVERY SYSTEMS	149,786
INSTITUTION TOTAL	1		149,786
CITY TOTAL	1		149,786
STATE TOTAL	3		450,908
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
HD72816-00	FRIED, JOSEF	LUTEOLYTIC PROSTAGLANDIN ANALOGS---SYNTHESIS/BIOL TESTING	137,214
INSTITUTION TOTAL	1		137,214
CITY TOTAL	1		137,214
STATE TOTAL	1		137,214



NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
INDIANA			
INDIANAPOLIS			
METHODIST HOSPITAL OF INDIANA		CLINICAL ONCOLOGY PROGRAM	137,711
CN75393-00	DUGAN, WILLIAM M		
INSTITUTION TOTAL	1		137,711
CITY TOTAL	1		137,711
STATE TOTAL	1		137,711
MARYLAND			
KENSINGTON			
LITTON INDUSTRIES--LITTON BIONETICS		REACTIONS BETWEEN BREAST CANCER AND MAMMARY TUMOR VIRUS	118,337
CB74087-00	CANNON, GRACE B		118,337
INSTITUTION TOTAL	1		118,337
CITY TOTAL	1		118,337
STATE TOTAL	1		118,337
MASSACHUSETTS			
BOSTON			
NEW ENGLAND MEDICAL CENTER HOSPITAL		RELATION OF INTESTINAL FLORA TO BREAST CANCER IN HUMANS	97,000
CB74104-00	GORBACH, SHERWOOD L		97,000
INSTITUTION TOTAL	1		97,000
CITY TOTAL	1		97,000
STATE TOTAL	1		97,000
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN		CRISIS & PAIN SYMPTOM PROPHYLAXIS BY ORAL ZINC THERAPY	80,578
HB72916-00	BREWER, GEORGE J		
INSTITUTION TOTAL	1		80,578
CITY TOTAL	1		80,578
STATE TOTAL	1		80,578
MONTANA			
HAMILTON			
HAMILTON BIOCHEMICAL RESEARCH LABORATORY		PRODUCTION OF LIPOPOLYSACCHARIDES (ENDOTOXINS)	52,445
AI72525-00	PARKER, RENO		

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
INSTITUTION TOTAL	1		52,445
CITY TOTAL	1		52,445
STATE TOTAL	1		52,445
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
CB74203-00	YUHAS, JOHN M	STUDIES ON METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	96,300
INSTITUTION TOTAL	1		96,300
CITY TOTAL	1		96,300
STATE TOTAL	1		96,300
NEW YORK			
NEW YORK			
NEW YORK UNIVERSITY			
CB74103-00	PASTERNAK, BERNARD S	BREAST CANCER IN INITIALLY ASYMPTOMATIC WOMEN	111,300
INSTITUTION TOTAL	1		111,300
CITY TOTAL	1		111,300
ROCHESTER			
UNIVERSITY OF ROCHESTER			
AI72523-00	SMITH, DAVID H	STUDIES ON HEMOPHILUS INFLUENZAE B VACCINE	148,914
INSTITUTION TOTAL	1		148,914
CITY TOTAL	1		148,914
STATE TOTAL	2		260,214
PENNSYLVANIA			
ALLENTOWN			
ALLENTOWN HOSPITAL ASSOCIATION			
CN75394-00	PRAGER, DAVID	CLINICAL ONCOLOGY PROGRAM	130,353
INSTITUTION TOTAL	1		130,353
CITY TOTAL	1		130,353

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
ALLEGHENY GENERAL HOSPITAL			
CB74083-00	SCHIFFER, LEWIS M	STUDIES ON METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	98,000
INSTITUTION TOTAL	1	98,000	
CITY TOTAL	1	98,000	
STATE TOTAL	2	228,353	
RHODE ISLAND			
PROVIDENCE			
RHODE ISLAND DEPARTMENT OF HEALTH			
CN75215-00	SIMEONE, FIORINDO A	COMMUNITY-BASED CANCER CONTROL PROGRAM	269,200
INSTITUTION TOTAL	1	269,200	
CITY TOTAL	1	269,200	
STATE TOTAL	1	269,200	
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
DE72402-00	BROWN, LEE R	ANTIBODY TO STREPTOCOCCUS MUTANS IN XEROSTOMIA PATIENTS	34,795
INSTITUTION TOTAL	1	34,795	
CITY TOTAL	1	34,795	
SAN ANTONIO			
SOUTHWEST TEXAS METHODIST HOSPITAL			
CN75396-00	WHITECAR, JOHN P	CLINICAL ONCOLOGY PROGRAM	112,010
INSTITUTION TOTAL	1	112,010	
CITY TOTAL	1	112,010	
STATE TOTAL	2	146,805	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
AM72210-00	KOLIF, W J	SYSTEM TO REMOVE UREA FROM DIALYZING FLUID	78,729

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>UTAH</b>			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
HD72824-00	PETERSON, ROBERT V	TEST OF NEW BIODEGRADABLE DRUG DELIVERY SYSTEMS	124,612
INSTITUTION TOTAL	2	203,341	
CITY TOTAL	2	203,341	
STATE TOTAL	2	203,341	
<b>VIRGINIA</b>			
SPRINGFIELD			
REVILON, INC.--MELOY LABORATORIES			
CB74139-00	BLACKMAN, KENNETH E	GROWTH OF NORMAL AND TUMOR VIRUS CELLS	79,861
INSTITUTION TOTAL	1	79,861	
CITY TOTAL	1	79,861	
STATE TOTAL	1	79,861	
<b>WASHINGTON</b>			
SEATTLE			
UNIVERSITY OF WASHINGTON			
AM72215-00	ODLAND, GEORGE	ANALYZE PRIORITIES & NEEDS FOR RESEARCH IN DERMATOLOGY	123,623
INSTITUTION TOTAL	1	123,623	
CITY TOTAL	1	123,623	
STATE TOTAL	1	123,623	
<b>WISCONSIN</b>			
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN			
CB74110-00	WILKINSON, EDWARD J	OCCULT BREAST CANCER METASTASES IN AXILLARY LYMPH NODES	108,500
INSTITUTION TOTAL	1	108,500	
CITY TOTAL	1	108,500	
STATE TOTAL	1	108,500	
<b>ISRAEL</b>			
TEL HASHOMER			
CHIAM SHEBA MEDICAL CENTER			
CB74102-00	MODAN, BARUCH	EPIDEMIOLOGY OF BENIGN BREAST DISEASE	51,543



NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

## SCOPE OF WORK

## PROJECT DIRECTOR

## CONTRACT NUMBER

INSTITUTION TOTAL	1	51,543
CITY TOTAL	1	51,543
STATE TOTAL	1	51,543
TOTAL	24	2,762,737

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>ALABAMA</b>			
BIRMINGHAM	UNIVERSITY OF ALABAMA IN BIRMINGHAM		
GH07561-01	ACTON, RONALD T	PATHOLOGY OF MEMBRANES AND ORGANELLES	70,444
RR07003-01	LINDSEY, J RUSSELL	LABORATORY ANIMAL MEDICINE/COMPARATIVE PATHOLOGY	56,473
INSTITUTION TOTAL	2	126,917	
CITY TOTAL	2	126,917	
STATE TOTAL	2	126,917	
<b>ARIZONA</b>			
TUCSON	UNIVERSITY OF ARIZONA	CLINICAL PHARMACOLOGY	82,806
GH07533-01	BRESSLER, RUBIN		82,806
INSTITUTION TOTAL	1	82,806	
CITY TOTAL	1	82,806	
STATE TOTAL	1	82,806	
<b>CALIFORNIA</b>			
BERKELEY	UNIVERSITY OF CALIFORNIA AT BERKELEY	LIPOPROTEIN METHODOLOGY, STRUCTURE AND FUNCTION	36,691
HL07279-01	FORTE, GERTRUDE M	HUMAN NUTRITION	40,890
AM07155-01A1	MARGEN, SHELDON		
INSTITUTION TOTAL	2	77,581	
CITY TOTAL	2	77,581	
<b>DAVIS</b>			
UNIVERSITY OF CALIFORNIA AT DAVIS		ENVIRONMENTAL PATHOLOGY	52,527
ES07055-01	DUNGWORTH, DONALD L		
INSTITUTION TOTAL	1	52,527	
CITY TOTAL	1	52,527	
<b>LA JOLLA</b>			
UNIVERSITY OF CALIFORNIA AT SAN DIEGO		LIPIDS, LIPOPROTEINS AND ATHEROSCLEROSIS	68,468
HL07276-01	STEINBERG, DANIEL		
INSTITUTION TOTAL	1	68,468	
CITY TOTAL	1	68,468	

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>CALIFORNIA</b>			
LOS ANGELES			
CHILDREN'S HOSPITAL OF LOS ANGELES			
AM07262-01	HANSON, VIRGIL	PEDIATRIC RHEUMATOLOGY	19,511
INSTITUTION TOTAL	1		19,511
<b>UNIVERSITY OF CALIFORNIA AT LOS ANGELES</b>			
HD07032-01	TARJAN, GEORGE	MENTAL RETARDATION	141,960
INSTITUTION TOTAL	1		141,960
CITY TOTAL	2		161,471
<b>STANFORD</b>			
STANFORD UNIVERSITY			
HL07265-01	HARRISON, DONALD C	INVESTIGATIVE CARDIOLOGY	127,500
AI07089-01	MERIGAN, THOMAS C	INFECTIOUS DISEASES (MICROBES, DRUGS AND HOST)	83,685
INSTITUTION TOTAL	2		211,185
CITY TOTAL	2		211,185
<b>TORRANCE</b>			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL			
GM07414-01	RIMOIN, DAVID L	MEDICAL GENETICS	19,489
INSTITUTION TOTAL	1		19,489
CITY TOTAL	1		19,489
STATE TOTAL	9		590,721
<b>COLORADO</b>			
BOULDER			
UNIVERSITY OF COLORADO AT BOULDER			
HD07077-01	PORTER, KEITH R	BIOMEDICAL SCIENCES (NORMAL AND ABNORMAL DEVELOPMENT)	32,252
INSTITUTION TOTAL	1		32,252
CITY TOTAL	1		32,252
STATE TOTAL	1		32,252
<b>CONNECTICUT</b>			
NEW HAVEN			
YALE UNIVERSITY			
AM07259-01	BOULPAEP, EMILE L	TRANSPORT PROCESSES IN BIOLOGICAL SYSTEMS	38,504

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
<b>CONNECTICUT</b>			
NEW HAVEN			
<b>YALE UNIVERSITY</b>			
GM07562-01	MARCHESI, VINCENT T	EXPERIMENTAL AND HUMAN PATHOBIOLOGY	70,772
AI07136-01	PATTON, CURTIS L	PARASITOLOGY (INTERDISCIPLINARY)	32,582
AI07098-01	SHOPE, ROBERT E	VIRAL DISEASE MECHANISMS, EPIDEMIOLOGY, AND CONTROL	54,027
HL07272-01	TALNER, NORMAN S	POSTNATAL DEVELOPMENT OF CARDIOVASCULAR FUNCTION	61,018
HD07094-01	WARSHAW, JOSEPH B	RESEARCH IN PERINATAL MEDICINE	37,709
INSTITUTION TOTAL	6	294,612	
CITY TOTAL	6	294,612	
STATE TOTAL			294,612
<b>ILLINOIS</b>			
EVANSTON			
<b>NORTHWESTERN UNIVERSITY</b>			
GM07350-01A1	JACOBS, JOHN E	BIOMEDICAL ENGINEERING	4,027
INSTITUTION TOTAL	1	4,027	
CITY TOTAL	1	4,027	
STATE TOTAL			4,027
<b>IOWA</b>			
IOWA CITY			
<b>UNIVERSITY OF IOWA</b>			
AM07440-01	STEINMETZ, PHILIP R	EPITHELIAL TRANSPORT AND RENAL PATHOPHYSIOLOGY	37,851
INSTITUTION TOTAL	1	37,851	
CITY TOTAL	1	37,851	
STATE TOTAL			37,851
<b>LOUISIANA</b>			
NEW ORLEANS			
<b>LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS</b>			
NS07058-01A1	BERLIN, CHARLES I	AUDITORY PHYSIOLOGY AND ANATOMY	57,645
INSTITUTION TOTAL	1	57,645	
CITY TOTAL	1	57,645	
STATE TOTAL			57,645



NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>MARYLAND</b>			
<b>BALTIMORE</b>			
<b>JOHNS HOPKINS UNIVERSITY</b>			
HD07103-01	HARRINGTON, WILLIAM F	MOLECULAR AND CELLULAR ASPECTS OF DEVELOPMENT	85,699
RR07002-01	STRANDBERG, JOHN D	LABORATORY ANIMAL MEDICINE AND PATHOLOGY	56,367
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
<b>BOSTON UNIVERSITY</b>			
HL07291-01	SMALL, DONALD M	LIPOPROTEINS & ATHEROSCLEROTIC LESIONS PHYSICAL CHEM	50,116
INSTITUTION TOTAL	1		
<b>HARVARD UNIVERSITY</b>			
AM07112-01	GLINCHER, MELVIN J	ACADEMIC ORTHOPEDICS	39,057
INSTITUTION TOTAL	1		
<b>JOSLIN DIABETES FOUNDATION</b>			
AM07260-01	CAHILL, GEORGE F, JR	DIABETES AND METABOLISM	55,568
INSTITUTION TOTAL	1		
<b>MASSACHUSETTS GENERAL HOSPITAL</b>			
AM07258-01	KRANE, STEPHEN M	CONNECTIVE TISSUE STRUCTURE, FUNCTION AND DISEASE	39,715
INSTITUTION TOTAL	1		
CITY TOTAL	4		
<b>WALTHAM</b>			
<b>BRANDEIS UNIVERSITY</b>			
AI07069-01	NISONOFF, ALFRED	INVESTIGATION OF MECHANISMS IN THE IMMUNE RESPONSE	50,354
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN RR07008-01	COHEN, BENNETT J	LABORATORY ANIMAL SCIENCE AND MEDICINE	76,641
INSTITUTION TOTAL	1		76,641
CITY TOTAL	1		76,641
DETROIT WAYNE STATE UNIVERSITY EY07034-01	HARDING, CLIFFORD V	CELLULAR BASIS OF OCULAR DISORDERS	37,283
INSTITUTION TOTAL	1		37,283
CITY TOTAL	1		37,283
STATE TOTAL	2		113,924
MISSISSIPPI JACKSON UNIVERSITY OF MISSISSIPPI MEDICAL CENTER ES07045-01	HAYES, A WALLACE	TOXICOLOGY	58,600
INSTITUTION TOTAL	1		58,600
CITY TOTAL	1		58,600
STATE TOTAL	1		58,600
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI-COLUMBIA GM07494-01	EISENSTARK, ABRAHAM	GENETICS	36,437
RR07004-01	MIDDLETON, CHARLES C	LABORATORY ANIMAL MEDICINE	55,409
INSTITUTION TOTAL	2		91,846
CITY TOTAL	2		91,846
UNIVERSITY CITY WASHINGTON UNIVERSITY AM07226-01	SHANK, ROBERT E	NUTRITION	39,057
INSTITUTION TOTAL	1		39,057
CITY TOTAL	1		39,057

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
STATE TOTAL	3	130,903	
NEW YORK BUFFALO STATE UNIVERSITY OF NEW YORK AT BUFFALO AI07088-01	MILGROM, FELIX	IMMUNOLOGY	60,657
INSTITUTION TOTAL	1	60,657	
CITY TOTAL	1	60,657	
ITHACA CORNELL UNIVERSITY HL07245-01	ZILVERSMIT, DONALD B	NUTRITIONAL ASPECTS OF ARTERIOSCLEROSIS	49,066
INSTITUTION TOTAL	1	49,066	
CITY TOTAL	1	49,066	
NEW YORK CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE HD07105-01	HIRSCHHORN, KURT	MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES	103,381
INSTITUTION TOTAL	1	103,381	
COLUMBIA UNIVERSITY HL07271-01	HOFFMAN, BRIAN F	CARDIAC ARRHYTHMIAS: MECHANISMS AND TREATMENT	55,332
INSTITUTION TOTAL	1	55,332	
CORNELL UNIVERSITY MEDICAL CENTER GH07488-01	REIDENBERG, MARCUS M	CLINICAL PHARMACOLOGY	18,049
INSTITUTION TOTAL	1	18,049	
NEW YORK UNIVERSITY GH07552-01	DEFENDI, VITTORIO	BASIC PATHOBIOLOGY	72,570
INSTITUTION TOTAL	1	72,570	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH AM07266-01	MURPHY, MARTIN J, JR	HEMATOLOGY	92,465
INSTITUTION TOTAL	1	92,465	

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RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
NEW YORK			
NEW YORK			
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER			
AI07131-01	MORSE, STEPHEN I	IMMUNOLOGY	32,164
INSTITUTION TOTAL	1	32,164	
YESHIVA UNIVERSITY			
AM07273-01	MARCUS, DONALD M	ARTHRITIS & BONE DISEASES	40,014
INSTITUTION TOTAL	1	40,014	
CITY TOTAL	7	413,975	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
HL07220-01A1	YU, PAUL N	CARDIOLOGY	55,890
INSTITUTION TOTAL	1	55,890	
CITY TOTAL	1	55,890	
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
GM07518-01	GROLLMAN, ARTHUR P	PHARMACOLOGICAL SCIENCES	25,077
INSTITUTION TOTAL	1	25,077	
CITY TOTAL	1	25,077	
SYRACUSE			
SYRACUSE UNIVERSITY			
AG00040-01	MEYER, WILLIAM J	DEVELOPMENT AND AGING	78,000
INSTITUTION TOTAL	1	78,000	
CITY TOTAL	1	78,000	
STATE TOTAL	12	682,665	
NORTH CAROLINA			
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH			
ES07046-01	GUTHRIE, FRANK E	MOLECULAR AND ENVIRONMENTAL TOXICOLOGY	111,248
INSTITUTION TOTAL	1	111,248	
CITY TOTAL	1	111,248	



NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
NORTH CAROLINA			
WINSTON-SALEM			
WAKE FOREST UNIVERSITY			
BR07009-01	CLARKSON, THOMAS B	LABORATORY ANIMAL AND COMPARATIVE MEDICINE	78,698
INSTITUTION TOTAL	1		78,698
CITY TOTAL	1		78,698
STATE TOTAL	2		189,946
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL			
ES07051-01	ZIMMERMAN, ERNEST F	TERATOLOGY	34,108
INSTITUTION TOTAL	1		34,108
CITY TOTAL	1		34,108
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HD07104-01	SINGER, MARCUS	NORMAL AND ABNORMAL DEVELOPMENT	195,732
INSTITUTION TOTAL	1		195,732
CITY TOTAL	1		195,732
STATE TOTAL	2		229,840
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
HL07295-01	CONNOR, WILLIAM E	NUTRITION AND ATHEROSCLEROSIS	76,118
INSTITUTION TOTAL	1		76,118
CITY TOTAL	1		76,118
STATE TOTAL	1		76,118
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
BR07006-01	LANG, C MAX	LABORATORY ANIMAL MEDICINE	55,099
INSTITUTION TOTAL	1		55,099

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RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	55,099	
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
GH07514-01	YAFFE, SUMNER J	PEDIATRIC CLINICAL PHARMACOLOGY AND ANESTHESIOLOGY	35,062
INSTITUTION TOTAL	1	35,062	
CITY TOTAL	1	35,062	
STATE TOTAL	2	90,161	
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
HL07260-01	LINDENMAYER, GEORGE E	IMPROVE CARDIOVASCULAR DRUG THERAPY	37,661
INSTITUTION TOTAL	1	37,661	
CITY TOTAL	1	37,661	
STATE TOTAL	1	37,661	
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE			
GH07438-01	POPP, RAYMOND A	GENETICS	16,701
INSTITUTION TOTAL	1	16,701	
CITY TOTAL	1	16,701	
STATE TOTAL	1	16,701	
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
HD07081-01	GALLE, OMER R	SOCIAL DEMOGRAPHY	48,009
INSTITUTION TOTAL	1	48,009	
CITY TOTAL	1	48,009	

DOLLARS  
AWARDED

37,923

19,529  
65,18082,361  
17,942

59,704

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL07190-01A1	MC NAMARA, DAN G	DEVELOPMENT CARDIAC PHARMACOLOGY AND PHYSIOLOGY	
INSTITUTION TOTAL	1		37,923
CITY TOTAL	1		37,923
STATE TOTAL	2		85,932
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM07079-01A2	RUDDY, SHAUN	PATHOGENESIS AND TREATMENT OF RHEUMATIC DISEASES	
HL07244-01	WEGLIICKI, WILLIAM B	MECHANISMS OF CARDIOVASCULAR INJURY	
INSTITUTION TOTAL	2		84,709
CITY TOTAL	2		84,709
STATE TOTAL	2		84,709
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
HL07278-01	DODGE, HAROLD T	CARDIOVASCULAR RESEARCH	
AM07237-01	FINCH, CLEMENT A	HEMATOLOGY AND NUTRITIONAL ANEMIAS	
INSTITUTION TOTAL	2		100,303
CITY TOTAL	2		100,303
STATE TOTAL	2		100,303
WISCONSIN			
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN			
ES07043-01	FUJIMOTO, JAMES M	PHARMACOLOGIC TOXICOLOGY OF ENVIRONMENTAL CHEMICALS	
INSTITUTION TOTAL	1		59,704
CITY TOTAL	1		59,704
STATE TOTAL	1		59,704
TOTAL	63		3,560,874

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER FELLOW

ALABAMA  
AUBURN  
AUBURN UNIVERSITY  
GM06288-01  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
PACE, RALPHENIA C  
BIOSCIENCES  
P34

BIRMINGHAM  
UNIVERSITY OF ALABAMA IN BIRMINGHAM  
TW02531-01  
ARMIGER, LOIS C  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
STATE TOTAL 2  
EXPERIMENTAL PATHOLOGY  
P05

CALIFORNIA  
BERKELEY  
UNIVERSITY OF CALIFORNIA AT BERKELEY  
GM05729-01  
ETKIN, LAURENCE D  
AI05595-01  
SCHALL, JOSEPH J  
TW00147-01  
SPEAR, ROBERT C  
GM06246-01  
WIESEHAHN, GARY P  
INSTITUTION TOTAL 4  
CITY TOTAL 4  
MOLECULAR BIOLOGY  
PARASITOLOGY  
ENVIRONMENTAL ENGINEERING: ENGINEERING  
BIOCHEMISTRY  
P32  
P32  
P06  
P32

DAVIS  
UNIVERSITY OF CALIFORNIA AT DAVIS  
CA05979-01  
IRELAND, CARRIE R  
GM06291-01  
SHUNAKER, KATHY A  
INSTITUTION TOTAL 2  
CITY TOTAL 2  
ONCOLOGY  
GENETICS  
P32  
P32

LA JOLLA  
SCRIPPS CLINIC AND RESEARCH FOUNDATION  
AI05596-01  
DUTKO, FRANCIS J, JR  
INSTITUTION TOTAL 1  
VIROLOGY  
P32



NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
LA JOLLA			
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
GM06071-01	ADAMICH, MARINA	BIOCHEMISTRY	F32
AI05556-01	DRAPER, ROCKFORD K	GENETICS	F32
GM06307-01	VAN WINKLE-SWIFT, KAREN	GENETICS	F32
INSTITUTION TOTAL	3		
CITY TOTAL	4		
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
AM05730-01	COOLEY-MATTHEWS, BEATRICE	ENDOCRINOLOGY	F32
TH02478-01	GARCIA-SANCHEZ, JOSE L	NEURO/MUSCULAR PHYSIOLOGY	F05
AI05605-01	KRAUSE, PETER J	INFECTIOUS DISEASES	F32
EY05237-01	LOCKHART, MARY E	NEUROANATOMY	F32
HD05529-01	MURALI, JAMES T	ENDOCRINOLOGY	F32
EY05209-01	SCHETTINO, ELIO F	OPHTHALMOLOGY	F32
GM06234-01	SMITH, WARD W	CRYSTALLOGRAPHY	F32
INSTITUTION TOTAL	7		
CITY TOTAL	7		
MENLO PARK			
LINUS PAULING INSTITUTE OF SCIENCE AND MEDICINE			
GM06310-01	STUPER, ANDREW J	ANALYTICAL CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
GM06005-01	BROWN, SCOTT M	BIOCHEMICAL AND MOLECULAR GENETICS	F32
AM05760-01	MAUK, ARTHUR G	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
CA06043-01	BOZDECH, MAREK J	HISTOPATHOLOGY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>CALIFORNIA</b>			
<b>SAN FRANCISCO</b>			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AG05089-01	DELANEY, WILLIAM P	GERIATRICS	F32
GM06296-01	FOE, VICTORIA E	CELL DIVISION	F32
CA05984-01	HACKETT, PERRY B, JR	VIROLOGY	F32
EY05210-01	KINNEY, MARION S	OPHTHALMOLOGY	F32
GM05904-01	MEAGHER, RICHARD B	MOLECULAR BIOLOGY	F32
AM05774-01	ROBERTS, JAMES L	ENDOCRINE PHYSIOLOGY	F32
GM06281-01	TERAMP, PATRICIA A	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL 8			
CITY TOTAL 8			
<b>STANFORD</b>			
STANFORD UNIVERSITY			
AM05663-01	CHOATE, GLENDA L	ENZYME/METABOLISM BIOCHEMISTRY	F32
HD05447-01A1	DOWER, WILLIAM J	REPRODUCTIVE PHYSIOLOGY	F32
GM06220-01	GILLUM, WILLIAM O	CHEMISTRY	F32
GM06257-01	KURTZ, DONALD M	CHEMISTRY	F32
GM06285-01	MC ENTEE, KEVIN	BIOCHEMICAL AND MOLECULAR GENETICS	F32
AI05550-01	SODERGREN, ERICA J	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL 6			
CITY TOTAL 6			
STATE TOTAL 34			
<b>COLORADO</b>			
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
AI05739-01	GICLAS, PATRICIA	IMMUNOLOGY	F32
INSTITUTION TOTAL 1			
UNIVERSITY OF COLORADO MEDICAL CENTER			
HL05686-01A1	MILLER, THOMAS R	RENAL DISEASES	F32
INSTITUTION TOTAL 1			
CITY TOTAL 2			
STATE TOTAL 2			

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>CONNECTICUT</b>			
<b>FARMINGTON</b>			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
TH00140-01	KOLLAR, EDWARD J	DEVELOPMENTAL BIOLOGY	P06
AI05618-01	SCHINDLER, MELVIN S	MICROBIAL BIOCHEMISTRY	P32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
<b>NEW HAVEN</b>			
YALE UNIVERSITY			
GM06263-01	DALE, RODERIC M	MOLECULAR BIOLOGY	P32
AM05736-01	IWANIJ, VICTORIA	MOLECULAR BIOLOGY	P32
GM06258-01	ROCK, CHARLES O	MOLECULAR BIOLOGY	P32
INSTITUTION TOTAL 3			
CITY TOTAL 3			
STATE TOTAL 5			
<b>DIST OF COL</b>			
<b>WASHINGTON</b>			
HOWARD UNIVERSITY			
GM06272-01	HOGAN, YVONNE A	BIOSCIENCES	P34
INSTITUTION TOTAL 1			
<b>U.S. DEPARTMENT OF DEFENSE --ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE</b>			
MS05793-01	WOODBURY, CATHERINE M	NEURO/MUSCULAR PHYSIOLOGY	PJ2
INSTITUTION TOTAL 1			
CITY TOTAL 2			
STATE TOTAL 2			
<b>FLORIDA</b>			
<b>GAINESVILLE</b>			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
EY05215-01	RIDDLE, PATRICK J	OPHTHALMOLOGY	P32
INSTITUTION TOTAL 1			

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
FLORIDA			
GAINESVILLE			
U.S. DEPARTMENT OF AGRICULTURE--INSECT ATTRACTANTS, BEHAVIOR, AND BASIC BIOLOGY RESEARCH LAB			
TW02499-01			
SUGUNA, SUNDARARAJ G			
MEDICAL ENTOMOLOGY			
P05			
INSTITUTION TOTAL 1			
CITY TOTAL 2			
MIAMI			
UNIVERSITY OF MIAMI			
HD05444-01A1			
CLARK, MARTIN R			
REPRODUCTIVE PHYSIOLOGY			
P32			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 3			
GEORGIA			
ATLANTA			
ATLANTA UNIVERSITY			
GM06349-01			
COLE, LEONARD S			
BIOSCIENCES			
P34			
INSTITUTION TOTAL 1			
EMORY UNIVERSITY			
GM06301-01			
BAUMSTARK, BARBARA R			
VIROLOGY			
P32			
INSTITUTION TOTAL 1			
CITY TOTAL 2			
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA			
GM05886-01A1			
ROWLAND, JANE T			
BIOSCIENCES			
P34			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 3			
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
GM06256-01			
IRELAND, CHRIS M			
CHEMISTRY			
P32			



NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
ILLINOIS			
ARGONNE			
U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION			
CA05981-01	GOULD, MICHAEL N	RADIOBIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CHICAGO			
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
TW001770-01	GIACOMONI, DARIO A	CELL BIOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
GM06168-01	WELLER, DWIGHT D	CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
INDIANA			
WEST LAFAYETTE			
PURDUE UNIVERSITY			
EY05236-01	LO, HEI-VEN	OPHTHALMOLOGY	F32
AI05600-01	RAYMENT, IVAN	VIROLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
IOWA IOWA CITY UNIVERSITY OF IOWA TW02570-01 TW00142-01	ODERFELD-NOWAK, BARBARA TEPHLY, THOMAS R	BIOCHEMISTRY TOXICOLOGY/PHARMACODYNAMICS	P05 P06
INSTITUTION TOTAL 2 CITY TOTAL 2			
STATE TOTAL 2			
MAINE BAR HARBOR JACKSON LABORATORY AN05750-01	GAPP, DAVID A	GENETICS	P32
INSTITUTION TOTAL 1 CITY TOTAL 1			
STATE TOTAL 1			
MARYLAND BALTIMORE CARNEGIE INSTITUTION OF WASHINGTON, D. C. GM06271-01	PETERSON, RONALD C	MOLECULAR BIOLOGY	P32
INSTITUTION TOTAL 1			
JOHNS HOPKINS UNIVERSITY CA05982-01	DRYSDALE, BETH-ELLEN	IMMUNOLOGY	P32
INSTITUTION TOTAL 1			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE AM05745-01	MC LAUGHLIN, JUDITH	DIABETES	P32
INSTITUTION TOTAL 1 CITY TOTAL 3			
BETHESDA U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH CA06055-01	ABRENSKI, KENNETH E	VIROLOGY	P32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>MARYLAND</b>			
<b>BETHESDA</b>			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
AM05710-01	ALSTON, KENNETH	HEMATOLOGY/IMMUNOLOGY	P32
GM06338-01	FEDERICI, MARY M	MOLECULAR BIOLOGY	P32
TW00186-01	GASTANO, SALVATORE	HORMONE/VITAMIN BIOCHEMISTRY	F15
CA05993-01	MAXFIELD, FREDERICK R	MOLECULAR BIOLOGY	P32
TW00183-01	MONIER, ROGER	MICROBIAL PHYSIOLOGY	F15
EY05221-01	REINECKE, ROBERT D	OPHTHALMOLOGY	P32
TW02497-01	SCHOUB, BARRY D	INFECTIOUS DISEASES	F05
TW00182-01	SHARON, NATHAN	CARBOHYDRATE BIOCHEMISTRY	F15
CA05991-01	SHEDLARSKI, JOSEPH G	ENZYME/METABOLISM BIOCHEMISTRY	P32
GM06292-01	STEWART, JOYCELYN E	BIOSCIENCES	P34
DE05124-01	WIND, MARILYN G	TERATOLOGY	P32
INSTITUTION TOTAL		12	
CITY TOTAL		12	
<b>COLLEGE PARK</b>			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS			
TW02500-01	DE, SHOUHYA P	BACTERIOLOGY	F05
INSTITUTION TOTAL		1	
CITY TOTAL		1	
STATE TOTAL		16	
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
GM06562-01	HUMES, HARVEY D	RENAL DISEASES	F32
CA05995-01	ZUCKERMAN, KENNETH S	HEMATOLOGY/IMMUNOLOGY	F32
INSTITUTION TOTAL		2	
<b>BETH ISRAEL HOSPITAL</b>			
CA05994-01	BRAUN, JORY L	HEMATOLOGY/IMMUNOLOGY	F32
INSTITUTION TOTAL		1	
<b>BOSTON UNIVERSITY</b>			
EY05223-01	LOEWENSTEIN, JOHN I	OPHTHALMOLOGY	F32
INSTITUTION TOTAL		1	

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
<b>EYE RESEARCH INSTITUTE OF RETINA FOUNDATION</b>			
EY05226-01	CAMPBELL, ROBERT C	OPHTHALMOLOGY	F32
EY05207-01	LAMBERTS, DAVID W	OPHTHALMOLOGY	F32
EY05206-01	LASS, JONATHAN H	OPHTHALMOLOGY	F32
INSTITUTION TOTAL 3			
<b>HARVARD UNIVERSITY</b>			
AI05621-01	GRIZZARD, MICHAEL B	INFECTIOUS DISEASES	F32
GM06186-01	HERMAN, TIMOTHY M	NUCLEIC ACID BIOCHEMISTRY	F32
GM05594-01A1	SCHWARTZ, KENNETH J	PHYSICAL BIOCHEMISTRY	F32
CA06060-01	WOODS, MARGO N	ONCOLOGY	F32
EY05213-01	YAMAMOTO, GILBERT K	OPHTHALMOLOGY	F32
AM05755-01	YOUNG, JAMES B	DIABETES	F32
AI05622-01	YOUNG, RYLAND F	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL 7			
<b>MASSACHUSETTS EYE AND EAR INFIRMARY</b>			
EY05218-01	CHU, CHIN W	OPHTHALMOLOGY	F32
INSTITUTION TOTAL 1			
<b>MASSACHUSETTS GENERAL HOSPITAL</b>			
DE05127-01	BERTOLAMI, CHARLES N	PLASTIC/MAXILLO-FACIAL SURGERY	F32
GM06309-01	YIN, HELEN	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F32
INSTITUTION TOTAL 2			
<b>NEW ENGLAND MEDICAL CENTER HOSPITAL</b>			
EY05227-01	NADLER, DANIEL J	OPHTHALMOLOGY	F32
INSTITUTION TOTAL 1			
CITY TOTAL 18			
<b>CAMBRIDGE</b>			
<b>HARVARD UNIVERSITY</b>			
AM05732-01	FREDERICK, EDWARD C	NEURO/MUSCULAR PHYSIOLOGY	F32
EY05205-01	GLICKMAN, RANDOLPH D	OPHTHALMOLOGY	F32
GM06339-01	GREENBERG, EVERETT P	MOLECULAR BIOLOGY	F32
GM05717-01A1	MC CAMMON, JAMES A	BIOPHYSICS	F32
AM05690-01	OLAFSON, BARRY D	MOLECULAR BIOLOGY	F32



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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>MASSACHUSETTS</b>			
<b>CAMBRIDGE</b>			
GM05999-01	ROBERTS, GAIL D	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL 6			
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>			
CA05997-01	BOTHWELL, ALFRED L	VIROLOGY	F32
GM06305-01	FALCO, SAVERIO C	GENETICS	F32
AG05100-01	GRINNA, LYNN S	CELL PHYSIOLOGY	F32
GM06362-01	SCHUDA, PAUL F	ORGANIC SYNTHESIS	F32
AI05634-01	STARK, RUTH E	PHYSICAL CHEMISTRY	F32
AM05749-01	SZOKA, PAULA R	GENETICS	F32
AM05756-01	ZEISEL, STEVEN H	HISTOPATHOLOGY	F32
INSTITUTION TOTAL 7			
CITY TOTAL 13			
<b>WALTHAM</b>			
<b>BRANDEIS UNIVERSITY</b>			
GM06289-01	PACHL, CAROL A	GENETICS	F32
CA06026-01	RICCIARDI, ROBERT P	VIROLOGY	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 33			
<b>MICHIGAN</b>			
<b>ANN ARBOR</b>			
<b>UNIVERSITY OF MICHIGAN</b>			
HD05519-01	HOFFMAN, DONALD L	REPRODUCTIVE PHYSIOLOGY	F32
GM06317-01	WATERSON, JOHN R	GENETICS	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
<b>MINNESOTA</b>			
<b>MINNEAPOLIS</b>			
<b>UNIVERSITY OF MINNESOTA</b>			
CA06022-01	LAU, ALAN F	MOLECULAR BIOLOGY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>MINNESOTA</b>			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA	SOMMER, BRUCE	EXPERIMENTAL SURGERY	F32
AM05763-01			
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
<b>MISSISSIPPI</b>			
UNIVERSITY			
UNIVERSITY OF MISSISSIPPI	GANGULI, NAYA G	BIOSCIENCES	F34
GH06266-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>MISSOURI</b>			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY	ROSS, JOE M	MOLECULAR BIOLOGY	F32
GH06198-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>NEW YORK</b>			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE	ANDERSEN, MARTHA S	RADIATION	F32
CA06008-01			
INSTITUTION TOTAL	1		
<b>STATE UNIVERSITY OF NEW YORK AT BUFFALO</b>			
TH00182-01	ANDRES, GIUSEPPE A	HEMATOLOGY/IMMUNOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK ITHACA CORNELL UNIVERSITY GM06037-01A1 GM05759-01	JORDAN, ROBERT C BACKOVSKY, SHALOM R	FAT AND LIPID BIOCHEMISTRY MOLECULAR BIOLOGY	F32 F32
INSTITUTION TOTAL 2 CITY TOTAL 2			
NEW YORK COLUMBIA UNIVERSITY EY05231-01	GARNER, MARGARET H	OPHTHALMOLOGY	F32
INSTITUTION TOTAL 1			
CORNELL UNIVERSITY MEDICAL CENTER AI05643-01	BYRNE, GERALD I	BACTERIOLOGY	F32
INSTITUTION TOTAL 1			
HOSPITAL FOR SPECIAL SURGERY AM05766-01	GIBOFISKY, ALLAN	CONNECTIVE TISSUE DISEASES	F32
INSTITUTION TOTAL 1			
NEW YORK UNIVERSITY AM05558-01 EY05235-01	IBRAHIM, NADER G KOWLER, EILEEN	BIOCHEMISTRY OPHTHALMOLOGY	F32 F32
INSTITUTION TOTAL 2			
ROCKEFELLER UNIVERSITY AI05594-01 EY05208-01 AI05629-01 GM06084-01	BLAKE, MILAN S GOLDMAN, BARBARA H HORWITZ, MARCUS A LOGAN, JONOTHAN L	INFECTIOUS DISEASES OPHTHALMOLOGY MICROBIOLOGY EPIDEMIOLOGY OF POPULATION DYNAMICS	F32 F32 F32 F32
INSTITUTION TOTAL 4			
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH TW02524-01	CASTRO-MALASPINA, HUGO	HEMATOLOGY	F05
INSTITUTION TOTAL 1 CITY TOTAL 10			

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>NEW YORK</b>			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
EY05229-01	PASTERNAK, TATIANA	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>VALHALLA</b>			
NEW YORK MEDICAL COLLEGE			
AM05264-01	CARMICHAEL, ROBERT D	PEDIATRIC HEMATOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	16		
<b>NORTH CAROLINA</b>			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
GM06380-01	BANKS, RICHARD A	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>OHIO</b>			
CINCINNATI			
U.S. ENVIRONMENTAL PROTECTION AGENCY--NATIONAL ENVIRONMENTAL RESEARCH CENTER			
TW02542-01	KELLO, DINKO	ENVIRONMENTAL HEALTH	F05
INSTITUTION TOTAL	1		
<b>CINCINNATI</b>			
UNIVERSITY OF CINCINNATI			
ES05103-01	RAFALES, LEE S	TOXICOLOGY/PHARMACODYNAMICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>OREGON</b>			
EUGENE			
CREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
GM05845-01	WAGNER, ROBERT E, JR	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>PENNSYLVANIA</b>			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
TW02441-01A1	SHENOLIKAR, INDUSHEKHAR S	FOOD ANALYSIS	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>PHILADELPHIA</b>			
MEDICAL COLLEGE OF PENNSYLVANIA			
TW00135-01	FRANKL, WILLIAM S	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F06
INSTITUTION TOTAL	1		
<b>UNIVERSITY OF PENNSYLVANIA</b>			
HD05539-01	KOSTELC, JAMES G	REPRODUCTIVE PHYSIOLOGY	F32
AM05685-01	LITCHFIELD, WILLIAM J	ENZYME/METABOLISM BIOCHEMISTRY	F32
HD05547-01	MARUNIAK, JOEL A	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	4		
STATE TOTAL	5		
<b>TENNESSEE</b>			
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
AM05689-01	WALLACE, ROBERT W	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
<b>UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES</b>			
AM05769-01	FINBERG, ROBERT P	GASTROENTEROLOGY	F32



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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>TENNESSEE</b>			
<b>MEMPHIS</b>			
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES			
GM06088-01	HENLEY, WILLIAM M	NONCLINICAL RADIATION	F34
INSTITUTION TOTAL	2		
CITY TOTAL	3		
<b>NASHVILLE</b>			
MEHARRY MEDICAL COLLEGE			
GM06284-01	WILLIAMS, ANNIE P	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
<b>VANDERBILT UNIVERSITY</b>			
AM05722-01	HAIGLER, HARRY T	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	5		
<b>TEXAS</b>			
<b>AUSTIN</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
HD05516-01	YOKOYAMA, KATSUHIKO	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DALLAS</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
CA06019-01	LUBET, RONALD A	CANCER CHEMOTHERAPY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>HOUSTON</b>			
BAYLOR COLLEGE OF MEDICINE			
CA06020-01	BARNES, BRIAN C	HEMATOLOGY/IMMUNOLOGY	F32
INSTITUTION TOTAL	1		

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>TEXAS</b>			
<b>HOUSTON</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
ES05062-01	KNAPP, JOHN A	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
<b>RICHARDSON</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT DALLAS			
TW00189-01	GRAY, DONALD M	MOLECULAR STRUCTURE	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		
<b>UTAH</b>			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
EY05214-01	ALBERTS, RAYMOND L, JR	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>VERMONT</b>			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
AM05723-01	ROBBINS, DAVID C	METABOLIC DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>VIRGINIA</b>			
BLACKSBURG			
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY			
GM06344-01	HANDEL, EDWARD D	PHYSICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL	1		
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
EY05238-01	LEHNKUHLE, STEPHEN W	RECEPTOR AND EFFECTOR PROCESSES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
WASHINGTON			
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER			
CA05986-01	MEDEIROS, EDWARD R	VIROLOGY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF WASHINGTON			
GM06316-01	CAMERON, JOHN R	GENETICS	F32
AM05724-01	SAVONA, MICHAEL R	DIABETES	F32
INSTITUTION TOTAL	2		
CITY TOTAL	3		
STATE TOTAL	3		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM06072-01	ATCHLEY, WILLIAM R	BIOCHEMICAL AND MOLECULAR GENETICS	F32
GM05940-01	COOK, PAUL F	ENZYME/METABOLISM BIOCHEMISTRY	F32
AM05714-01	HALLORAN, BERNARD P	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
AUSTRALIA			
KENSINGTON			
UNIVERSITY OF NEW SOUTH WALES			
EY05212-01	LEVENTHAL, AUDIE G	NEURO/MUSCULAR PHYSIOLOGY	F32

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CANADA			
MONTREAL			
UNIVERSITY OF MONTREAL	BUIST, NEIL R	PEDIATRICS	F06
TW00187-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
SWITZERLAND			
BASEL			
UNIVERSITY OF BASEL	PALTER, KAREN B	MOLECULAR BIOLOGY	F32
GM06371-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
UNITED KINGDOM			
CAMBRIDGE			
MEDICAL RESEARCH COUNCIL--LABORATORY OF MOLECULAR BIOLOGY			
GM06262-01	PAULSON, JAMES R	MOLECULAR BIOLOGY	F32
GM06373-01	RICHMOND, TIMOTHY J	CRYSTALLOGRAPHY	F32
EY05211-01	UDIN, SUSAN B	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	3		
UNIVERSITY OF CAMBRIDGE			
EY05219-01	WATSON, ANDREW B	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	4		

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APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
UNITED KINGDOM			
OXFORD			
UNIVERSITY OF OXFORD			
GN06336-01	BROWN, WILLIE C	BIOSCIENCES	P34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		
TOTAL	168		



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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
AM00316-01	KIM, HYUN D	MEMBRANE-LIMITED METABOLISM IN MAMMALIAN RED CELLS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
MS00282-01	LETINSKY, MICHAEL S	STRUCTURE AND FUNCTION OF DEVELOPING SYNAPSES	K04
AM00324-01A1	QUINTON, PAUL M	PHYSIOLOGY OF ISOLATED SWEAT GLANDS: CYSTIC FIBROSIS	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
HL00345-01	GLANTZ, STANTON A	EXTERNAL CONSTRAINTS AFFECT LEFT VENTRICLE MECHANICS	K04
MS00278-01	GOLDSTEIN, GARY W	METABOLIC ACTIVITY OF ISOLATED BRAIN CAPILLARIES	K04
MS00287-01	NICOLL, ROGER A	BARBITURATES: ACUTE AND CHRONIC SYNAPTIC EFFECTS	K04
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	5		
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
AM00334-01	SHERWIN, ROBERT S	INSULIN, GLUCAGON, SOMATOSTATIN AND BODY FUEL METABOLISM	K04
AM00356-01	SONAN, VIJAY R	GLUCAGON AND INSULIN RECEPTORS IN GLUCOSE HOMEOSTASIS	K08
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
DIST OF COL WASHINGTON			
AMERICAN NATIONAL RED CROSS HL00325-01	INGHAM, KENNETH C	PRECIPITATION OF PROTEINS WITH POLYETHYLENE GLYCOL	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
FLORIDA GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
AM00298-01	HARTY, RICHARD F	GASTROINTESTINAL PEPTIDE HORMONE SYNTHESIS AND SECRETION	K08
NS00281-01	KARLAN, MARC S	PHYSIOLOGY & PATHOPHYSIOLOGY OF HEARING	K07
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
IOWA IOWA CITY			
UNIVERSITY OF IOWA			
HL00348-01	OWEN, WHYTE G	BIOCHEMISTRY OF ANTIHEMOPHILIC FACTOR & HEPARIN CO-FACTO	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
KENTUCKY LEXINGTON			
UNIVERSITY OF KENTUCKY			
LM00009-01	JOKL, ERNST	THE THIRD CULTURE--A TEXT ON SPORTS MEDICINE	K10
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

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GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY HL00415-01	JAKAB, GEORGE J	BRONCHOPULMONARY RESISTANCE TO BACTERIAL INFECTIONS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MASSACHUSETTS BOSTON HARVARD UNIVERSITY AI00245-01 AI00254-01	PEARSON, DOUGLAS T WASSERMAN, STEPHEN I	ALTERNATIVE COMPLEMENT PATHWAY BIOLOGY OF MEDIATORS OF IMMEDIATE HYPERSENSITIVITY	K04 K07
INSTITUTION TOTAL	2		
MASSACHUSETTS GENERAL HOSPITAL AM00342-01 AM00320-01	AUSIELLO, DENNIS A LIPSON, LOREN G	PROTEIN PHOSPHORYLATION AND HORMONE ACTION MECHANISMS OF INSULIN RELEASE	K04 K08
INSTITUTION TOTAL	2		
UNIVERSITY HOSPITAL AM00339-01	CHIDECKEL, ELLIOTT W	FUEL AND AMINO ACID METABOLISM IN PRIMATE BRAIN	K08
INSTITUTION TOTAL	1		
CITY TOTAL	5		
CAMBRIDGE MASSACHUSETTS INSTITUTE OF TECHNOLOGY ES00033-01A1	ARCHER, MICHAEL C	NITROSAMINES AS ENVIRONMENTAL CARCINOGENS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	6		
MISSISSIPPI JACKSON UNIVERSITY OF MISSISSIPPI MEDICAL CENTER HL00373-01	YOUNG, DAVID B	CONTROL, CARDIOVASCULAR AND RENAL EFFECTS OF POTASSIUM	K04
INSTITUTION TOTAL	1		

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RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
MISSOURI			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
AM00333-01	PERMUTT, MARSHALL A	STUDIES OF INSULIN BIOSYNTHESIS	K04
AM00318-01	SCHARP, DAVID W	ISLET TRANSPLANTATION IN DIABETES MELLITUS	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HL00364-01	NATTIE, EUGENE E	BRAIN METABOLISM/ACID-BASE BALANCE/RESPIRATION CONTROL	K04
HL00346-01	ST JOHN, WALTER M	BRAINSTEM INTEGRATION OF CHEMORECEPTOR ACTIVITY	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
GM00381-01	ALTSCHULER, MARTIN D	DIVERGING-BEAM 3-D IMAGE RECONSTRUCTION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
NEW YORK			
COLUMBIA UNIVERSITY			
HL00383-01	BILEZIKIAN, JOHN P	THE BETA ADRENERGIC CATECHOLAMINE RECEPTOR	K04
INSTITUTION TOTAL	1		
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
NS00286-01	ROTTENBERG, DAVID A	INVESTIGATION OF CSP DYNAMICS IN MAN	K07
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CITY TOTAL	2		
STATE TOTAL	3		
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
HL00324-01	PORTER, NED A	LIPID OXIDATION IN PG SYNTHESIS AND MEMBRANE DAMAGE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HL00359-01	CHISOLM, GUY M, III	MACROMOLECULAR TRANSPORT IN ARTERIAL TISSUE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
HL00321-01	GOLDSTEIN, MARGARET A	2 BANDS, MICROTUBULES, AND RELATED STRUCTURES IN HEART	K04
INSTITUTION TOTAL	1		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
AM00312-01	RAY, TUSHAR K	SECRETION FROM GASTRIC MUCOSA	K04
EY00088-01	REDBURN, DIANNA A	CHARACTERIZATION OF NEUROTRANSMITTERS IN RETINA	K04
INSTITUTION TOTAL	2		
CITY TOTAL	3		
STATE TOTAL	3		
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
NS00302-01	JOHANSON, CONRAD E	ONTOGENY OF HOMEOSTATIC SYSTEMS IN CHOROID PLEXUS	K04



NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
HL00379-01	WILLIAMS, ROGER R	GENETICS AND EPIDEMIOLOGY OF CORONARY ARTERY DISEASES	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
GM00323-01	AFROMOWITZ, MARTIN A	IMPLANTABLE SOLID-STATE HYBRID ION-SENSITIVE DEVICE	K04
HL00344-01	HUNTSMAN, LEE L	MECHANICAL PROPERTIES OF ISOLATED MYOCARDIUM	K04
LM00010-01	RUSHMER, ROBERT F	HEALTH RESEARCH & DEVELOPMENT PRIORITIES--SPECIAL	K10
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
TOTAL	38		

GRANT NUMBER	RESPONSIBLE OFFICIAL	PURPOSE OF GRANT	DOLLARS AWARDED
NIH CONSTRUCTION GRANTS			
MASSACHUSETTS CAMBRIDGE MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA19593-01A1	FOX, JAMES G	CANCER RESEARCH RENOVATIONS AND ALTERATIONS	1,498,646
INSTITUTION TOTAL	1	1,498,646	
CITY TOTAL	1	1,498,646	
STATE TOTAL	1	1,498,646	
TOTAL	1	1,498,646	

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA REDONDO BEACH SOUTH BAY HOSPITAL LM03038-01	KLECKER, ANITA	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1		3,000
CITY TOTAL	1		3,000
STATE TOTAL	1		3,000
ILLINOIS MATTOON SARAH BUSH LINCOLN HEALTH CENTER LM02981-01	HEYDUCK, FLORENCE	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,880
INSTITUTION TOTAL	1		2,880
CITY TOTAL	1		2,880
NORMAL BROKAW HOSPITAL LM02846-01	BRADEN, FRANK	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	2,903
INSTITUTION TOTAL	1		2,903
CITY TOTAL	1		2,903
STATE TOTAL	2		5,783
KENTUCKY ASHLAND KING'S DAUGHTERS' HOSPITAL LM02809-01	WURTS, JAMES R	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,000
INSTITUTION TOTAL	1		3,000
CITY TOTAL	1		3,000
STATE TOTAL	1		3,000
MASSACHUSETTS CAMBRIDGE MOUNT AUBURN HOSPITAL LM03024-01	WITTE, LAWRENCE M	A COMMUNITY INFORMATION NETWORK FOR HEALTH EDUCATION	49,405
INSTITUTION TOTAL	1		49,405

DOLLARS  
AWARDED

NIH  
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
CITY TOTAL	1	49,405	
STATE TOTAL	1	49,405	
MICHIGAN			
ALPENA			
ALPENA GENERAL HOSPITAL	KLEREKOPER, WILLIAM P	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	
LH02933-01			3,000
INSTITUTION TOTAL	1	3,000	
CITY TOTAL	1	3,000	
STATE TOTAL	1	3,000	3,000
MINNESOTA			
ZUMBROTA			
ZUMBROTA COMMUNITY HOSPITAL	CLARK, ANN	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	
LH03030-01			1,225
INSTITUTION TOTAL	1	1,225	
CITY TOTAL	1	1,225	
STATE TOTAL	1	1,225	1,225
NEW JERSEY			
PATERSON			
ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER	ROSENBERG, RUTH A	RENOVATION FOR MEDICAL LIBRARY	
LH02998-01			50,000
INSTITUTION TOTAL	1	50,000	
CITY TOTAL	1	50,000	
STATE TOTAL	1	50,000	50,000
PENNSYLVANIA			
CHESTER			
CROZER-CHESTER MEDICAL CENTER	BROWN, LEE C	CONSORTIUM FOR HEALTH INFORMATION & LIBRARY SERVICES	
LH02996-01			32,640
INSTITUTION TOTAL	1	32,640	
CITY TOTAL	1	32,640	

NIH  
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA JOHNSTOWN CONEMAUGH VALLEY MEMORIAL HOSPITAL LM03077-01	BRICE, HEATHER W	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	3,892
INSTITUTION TOTAL	1		3,892
CITY TOTAL	1		3,892
STATE TOTAL	2		36,532
TOTAL	10		151,945



## GRANTS AND AWARDS ANNOUNCED DURING AUGUST 1977

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	8	231,094	1	23,000					4	44,400						
AI	18	877,291	4	128,941	2	255,010			10	103,100						
AM	41	1,898,660	4	132,256	3	79,625	2	99,973	3	35,500						
CA	95	8,688,084							2	21,600						
CB					19	1,566,238										
CM					3	763,801										
CN					1	129,500										
CO					2	594,182										
CP					7	493,422										
DE	11	621,150			5	253,735			1	12,200						
ES	3	102,572			1	194,355			2	20,800						
EY	12	627,891	2	61,704												
GM	19	947,571	4	111,325	1	98,500	3	96,335	16	166,200						
HD	18	744,654	5	172,320	1	48,721	1	58,063	10	116,100						
HL	28	2,345,501	4	134,714												
LM					2	54,787							2	30,945		
NS	12	492,981	3	110,290	1	99,000										
RR	6	1,015,473			1	125,000										
TW	271	18,592,922	27	874,550	49	4,755,876	6	254,371	12	231,429						
									60	751,329						

\*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>ALABAMA</b>			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
GM24357-01	BASTIA, DEEPAK	ORIGINS AND TERMINI OF REPLICATION OF COLE1 AND R6K	55,120
INSTITUTION TOTAL	1		55,120
CITY TOTAL	1		55,120
<b>MOBILE</b>			
UNIVERSITY OF SOUTH ALABAMA			
HL22216-01	GREENBERG, STANLEY	VASCULAR MECHANISMS IN RENAL HYPERTENSION	42,760
HL22549-01	TAYLOR, AUBREY E	TRANSPORT ACROSS ALVEOLAR CAPILLARY MEMBRANE	40,577
INSTITUTION TOTAL	2		83,337
CITY TOTAL	2		83,337
STATE TOTAL	3		138,457
<b>ARIZONA</b>			
TUCSON			
UNIVERSITY OF ARIZONA			
CA21839-01	SALMON, SYDNEY E	BIOASSAY AND CHEMOTHERAPY OF HUMAN TUMOR STEM CELLS	102,700
CA21820-01	SIPES, I GLENN	ACTIVATION AND BINDING OF ORGANOHALOGEN CARCINOGENS	73,085
INSTITUTION TOTAL	2		175,785
CITY TOTAL	2		175,785
STATE TOTAL	2		175,785
<b>CALIFORNIA</b>			
BERKELEY			
CALIFORNIA STATE HEALTH AND WELFARE AGENCY--DEPARTMENT OF HEALTH			
CA21448-01	AUSTIN, DONALD F	NEW METHODS OF CANCER REGISTRY DATA ANALYSES	142,368
INSTITUTION TOTAL	1		142,368
<b>UNIVERSITY OF CALIFORNIA AT BERKELEY</b>			
EY02051-01	MATHIES, RICHARD A	RAMAN INVESTIGATIONS OF THE MOLECULAR BASIS OF VISION	34,995
INSTITUTION TOTAL	1		34,995
CITY TOTAL	2		177,363

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS			
AM20446-01	SCHNEEMAN, BARBARA O	NUTRITIONAL EFFECTS OF PLANT FIBER ON DIGESTION	33,263
RR01068-01	TUPPER, C JOHN	MEDICAL SCHOOL ANIMAL RESOURCE IMPROVEMENT SUPPORT	112,430
CA21366-01	WELLINGS, SEPTON R	PRENEOPLASTIC POTENTIAL OF HUMAN BREAST LESIONS	55,406
INSTITUTION TOTAL	3		201,099
CITY TOTAL	3		201,099
DOMINGUEZ HILLS			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--CALIFORNIA STATE COLLEGE AT DOMINGUEZ HILLS			
RR08156-01	CHI, LOIS W	IMMUNE RESPONSE IN MICE TO NTG CERCARIAE OF S. JAPONICUM	66,252
INSTITUTION TOTAL	1		66,252
CITY TOTAL	1		66,252
IRVINE			
UNIVERSITY OF CALIFORNIA AT IRVINE			
AM20083-01	DAVIS, HOWLAND H	ARGININE METABOLISM AND CELL COMPARTMENTATION	49,950
INSTITUTION TOTAL	1		49,950
CITY TOTAL	1		49,950
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
CA21896-01	ECKHART, WALTER	TRANSCRIPTION IN POLYOMA-TRANSFORMED CELLS	23,950
INSTITUTION TOTAL	1		23,950
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
CA23030-01	SILVER, JACK	STRUCTURE STUDIES OF IA ALLOANTIGENS	65,764
INSTITUTION TOTAL	1		65,764
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
AM20409-01	ALHADEFF, JACK A	HUMAN LIVER ALPHA-L-FUCOSIDASE AND FUCOSIDOSIS	26,683
GM24279-01	FIRTEL, RICHARD A	GENE STRUCTURE AND TRANSCRIPTIONAL REGULATION	80,771
CA21867-01	HSUEH, AARON J	EFFECT OF AGING ON HORMONAL CONTROL OF MAMMARY TUMORS	53,413
AI14176-01	SAIER, MILTON H, JR	MECHANISM OF CARBOHYDRATE TRANSPORT IN BACTERIA	30,401
AI14262-01	SELL, STEWART	SYPHILIS IMMUNITY	63,391
CA22031-01	SINGER, S JONATHAN	TRANS-MEMBRANE CONTROL IN TRANSFORMED AND NORMAL CELLS	51,280
INSTITUTION TOTAL	6		305,939

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	8	395,653	
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES		NEW HIP PROSTHESIS AND FIXATION MODES--IN VIVO STUDY	100,114
AM20333-01	AMSTUTZ, HARLAN C	IMPROVED RADIOGRAPHIC ASSESSMENT OF TOTAL HIP JOINTS	51,050
AM19705-01	CLARKE, IAN C	POLYPEPTIDES AND THE PROTEIN-DNA COMPLEX IN SV40 VIRION	34,297
CA21768-01	KASAMATSU, HARUMI	EFFECT OF AGE ON LYMPHOHEMATOPOIETIC REGENERATION	12,000
AG00755-01	PETERSON, WILLIAM J	ORAL FLORA AND CARCINOGENESIS OF DENTAL THERAPEUTICS	50,000
CA22249-01	WHEELER, LARRY A		
INSTITUTION TOTAL	5	247,461	
UNIVERSITY OF SOUTHERN CALIFORNIA			
DE04613-01	MEIER, STEPHEN P	MATRIX-CELL INTERACTION IN CRANIOFACIAL DEVELOPMENT	40,540
CA22224-01	PUFFER, HAROLD W	FLOW-INDUCED FLUX CHANGES ACROSS TUMOR MICROVESSELS	44,153
INSTITUTION TOTAL	2	84,693	
CITY TOTAL	7	332,154	
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY		DNA SYNTHESIS AND INTERACTION WITH PROTEINS AND DRUGS	66,390
GN24393-01	DICKERSON, RICHARD E	MICROSEQUENCE STUDIES OF CELL SURFACE ANTIGENS	59,495
AI14059-01	DREYER, WILLIAM J	MOLECULAR STUDIES OF THE IMMUNE RESPONSE	44,648
CA23028-01	RICHARDS, JOHN H	PEPTIDERGIC AND CIRCADIAN NEURONS IN TISSUE CULTURE	58,550
NS13896-01	STRUMWASSER, FELIX	LAMINAR ORGANIZATION OF EXTRASTRIATE VISUAL CORTEX	66,783
EY02091-01	VAN ESSEN, DAVID C		
INSTITUTION TOTAL	5	295,866	
CITY TOTAL	5	295,866	
RIVERSIDE			
UNIVERSITY OF CALIFORNIA AT RIVERSIDE		EVALUATION OF COELOMOMYCES FUNGI FOR MOSQUITO CONTROL	13,905
AI12772-01A2	FEDERICI, BRIAN A		13,905
INSTITUTION TOTAL	1	13,905	
CITY TOTAL	1	13,905	
SAN FRANCISCO			
MOUNT ZION HOSPITAL AND MEDICAL CENTER		BEHAVIORAL CHANGES IN POST INFARCTION PATIENTS	173,508
HL21427-01	FRIEDMAN, MEYER		
INSTITUTION TOTAL	1	173,508	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO AM19997-01 BAXTER, JOHN D EY01441-01A2 CHAR, DEVRON H CA22369-01 CORREIA, MARIA A CA22389-01 PHILLIPS, THEODORE L CA21842-01 PHILLIPS, THEODORE L		GROWTH HORMONE GENE: PURIFICATION AND REGULATION EYE TUMORS: IN VITRO IMMUNODIAGNOSIS AND MONITORING COLONIC CYTOCHROME P-450--CHEMICAL CARCINOGENESIS ROLE EXTENDED RADIOTHERAPY FOR PROSTATIC NEOPLASM DEVELOPMENT OF A CT SCANNER FOR RADIATION THERAPY	69,736 43,148 41,036 50,000 65,712
INSTITUTION TOTAL	5		269,632
UNIVERSITY OF THE PACIFIC DE04516-01	RYGE, GUNNAR	CORROSION AND CLINICAL BEHAVIOR OF DENTAL AMALGAM	72,057
INSTITUTION TOTAL	1		72,057
CITY TOTAL	7		515,197
SANTA BARBARA UNIVERSITY OF CALIFORNIA AT SANTA BARBARA EY02082-01	ANDERSON, DON H	RELATIONSHIP OF MAMMALIAN CONES TO PIGMENT EPITHELIUM	43,299
INSTITUTION TOTAL	1		43,299
CITY TOTAL	1		43,299
STANFORD STANFORD UNIVERSITY AM18760-01A1	FARBER, EUGENE M	BIOLOGIC EFFECTS OF PHOTOCHEMOTHERAPY IN PSORIASIS	74,358
INSTITUTION TOTAL	1		74,358
CITY TOTAL	1		74,358
STATE TOTAL	37		2,165,096
COLORADO BOULDER UNIVERSITY OF COLORADO AT BOULDER CA22250-01	MC CONKEY, EDWIN H	RIBOSOMAL PROTEIN PHOSPHORYLATION AND CELL GROWTH	35,200
INSTITUTION TOTAL	1		35,200
CITY TOTAL	1		35,200

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
COLORADO REGIONAL CANCER CENTER			
CA21878-01	WALKER, SREOTHER H	CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES	58,740
INSTITUTION TOTAL	1		58,740
UNIVERSITY OF COLORADO MEDICAL CENTER			
EY02083-01	NOLTE, JOHN F	PINEAL PHOTORECEPTORS	48,219
INSTITUTION TOTAL	1		48,219
CITY TOTAL	2		106,959
LAKESWOOD			
AMC CANCER RESEARCH CENTER AND HOSPITAL			
CA23536-01	BOREK, ERNEST	MOLECULAR BIOLOGY OF ETHIONINE CARCINOGENESIS	87,000
INSTITUTION TOTAL	1		87,000
CITY TOTAL	1		87,000
STATE TOTAL	4		229,159
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
GM23235-01	FERNANDEZ, SALVADOR M	DEVELOPMENTAL CHANGES IN THE MYOGENIC CELL SURFACE	26,410
INSTITUTION TOTAL	1		26,410
CITY TOTAL	1		26,410
NEW HAVEN			
YALE UNIVERSITY			
CA22228-01	COLE, CHARLES N	CONTROL OF TUMOR VIRUS GENE EXPRESSION	65,753
AM19930-01	KASHGARIAN, MICHAEL	THE PATHOLOGY OF RECOVERY FROM ACUTE RENAL INJURY	53,060
AM20363-01	LI VOLSI, VIRGINIA A	THE ORIGIN OF THE OSTEOCLAST	35,378
HD11018-01	ROONEY, SEAMUS A	PULMONARY SURFACTANT PRODUCTION IN NEWBORN ANIMALS	63,364
INSTITUTION TOTAL	4		217,555
CITY TOTAL	4		217,555
STORRS			
UNIVERSITY OF CONNECTICUT			
AI14278-01	BERG, CLAIRE M	TRANSPOSABLE ELEMENT MUTAGENESIS IN ESCHERICHIA COLI	28,786

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>CONNECTICUT</b>			
<b>STORRS</b>			
UNIVERSITY OF CONNECTICUT GM24062-01	KEGELES, GERSON	RELAXATION KINETICS OF RIBOSOME SUBUNIT INTERACTION	36,819
INSTITUTION TOTAL	2	65,605	
CITY TOTAL	2	65,605	
STATE TOTAL	7	309,570	
<b>DIST OF COL</b>			
<b>WASHINGTON</b>			
GEORGETOWN UNIVERSITY AM19030-01A1 HL22245-01	PRINCIOTTO, JOSEPH V SAUM, WILLIAM R	TRANSFERRIN, IRON DONATION AND ACQUISITION FUNCTIONAL CHARACTERISTICS OF ATRIAL RECEPTORS	45,338 26,500
INSTITUTION TOTAL	2	71,838	
<b>HOWARD UNIVERSITY</b>			
CA21185-01A1 CA22137-01	ELDADAH, ADNAN H SILVA, OHEGA L	CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES CALCITONIN AS A MARKER FOR CANCER OF THE BREAST	42,200 28,103
INSTITUTION TOTAL	2	70,303	
CITY TOTAL	4	142,141	
STATE TOTAL	4	142,141	
<b>FLORIDA</b>			
<b>CORAL GABLES</b>			
UNIVERSITY OF MIAMI CA21992-01	CORBETT, MICHAEL D	HYDROXAMIC ACID PRODUCTION BY MARINE ORGANISMS	52,697
INSTITUTION TOTAL	1	52,697	
CITY TOTAL	1	52,697	
<b>MIAMI</b>			
UNIVERSITY OF MIAMI CA21186-01A1	BRIESE, FRANKLIN W	CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES	44,000
INSTITUTION TOTAL	1	44,000	
CITY TOTAL	1	44,000	
STATE TOTAL	2	96,697	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA ATLANTA EMORY UNIVERSITY CA22294-01	KINKADE, JOSEPH M, JR	QUANTITATIVE STUDIES ON GRANULOCYTE DIFFERENTIATION	59,892
INSTITUTION TOTAL	1		59,892
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA INSTITUTE OF TECHNOLOGY GM23474-01	MAY, SHELDON W	NON-HEME IRON OXYGENASE CATALYSIS	38,295
INSTITUTION TOTAL	1		38,295
CITY TOTAL	2		98,187
STATE TOTAL	2		98,187
HAWAII HONOLULU UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA CA21828-01	KOLONEL, LAURENCE N	REASONS FOR VARIATION IN CANCER PATIENT SURVIVAL BY RACE	57,898
INSTITUTION TOTAL	1		57,898
CITY TOTAL	1		57,898
STATE TOTAL	1		57,898
ILLINOIS CHICAGO AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE CA22286-01 CA20826-01	SMITH, ALFRED R WOOTTON, PETER	AAPM CHARGED PARTICLE BEAM DOSIMETRY TASK GROUP AAPM FAST NEUTRON BEAM DOSIMETRY PHYSICS TASK GROUP	59,000 25,177
INSTITUTION TOTAL	2		84,177
AMERICAN DENTAL ASSOCIATION DE04709-01	WOZNIAK, WAYNE T	IMPROVED LUMINOPHORS FOR DENTAL PORCELAIN	26,151
INSTITUTION TOTAL	1		26,151
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER AG00579-01	SCHNEIDER, ANNE S	AGING INTELLECT, AND CEREBRAL ATROPHY ON CT SCAN	40,950
INSTITUTION TOTAL	1		40,950

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>ILLINOIS</b>			
UNIVERSITY OF CHICAGO			
AM19622-01	SCHWARTZ, NANCY B	REGULATION OF BIOSYNTHESIS OF PROTEOGLYCAN	37,993
GM25234-01	SIGLER, PAUL B	SPECIFIC MOLECULAR INTERACTIONS AT THE CELL SURFACE	28,878
CA21776-01	SPEAR, PATRICIA G	HERPES VIRUS GENE EXPRESSION IN TRANSFORMED CELLS	50,049
INSTITUTION TOTAL	3	116,920	
<b>UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER</b>			
CA21684-01	EPSTEIN, SAMUEL S	CARCINOGENICITY OF ORALLY ADMINISTERED ASBESTOS	47,130
INSTITUTION TOTAL	1	47,130	
CITY TOTAL	8	315,328	
STATE TOTAL	8	315,328	
<b>INDIANA</b>			
BLOOMINGTON			
INDIANA UNIVERSITY AT BLOOMINGTON			
HD11264-01	RANDOLPH, POLLEY A	PHYSIOLOGY AND GENETICS OF REPRODUCTION IN MAMMALS	29,535
HL21483-01	SZABO, ATTILA	ELECTRONIC, THERMODYNAMIC AND KINETICS OF HEMOGLOBIN	16,096
INSTITUTION TOTAL	2	45,631	
CITY TOTAL	2	45,631	
<b>INDIANAPOLIS</b>			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS			
NS13925-01	MC BRIDE, WILLIAM J	ROLE OF TAURINE IN THE CEREBELLUM	29,269
INSTITUTION TOTAL	1	29,269	
CITY TOTAL	1	29,269	
<b>WEST LAFAYETTE</b>			
PURDUE UNIVERSITY			
GM23889-01	KEENAN, THOMAS W	ENDOMEMBRANE INTERCONVERSION IN MILK FORMATION	52,086
RR01077-01	MARKLEY, JOHN L	A REGIONAL NMR RESOURCE FOR BIOMOLECULAR RESEARCH	608,930
EY02103-01	PEPPERBERG, DAVID R	VISUAL PIGMENT AND PHOTO-RECEPTOR ADAPTATION	57,017
CA22239-01	TESSMAN, IRWIN	REPAIR AND MUTAGENESIS OF DNA	46,796
INSTITUTION TOTAL	4	764,829	
CITY TOTAL	4	764,829	
STATE TOTAL	7	839,729	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>IOWA</b>			
IOWA CITY			
UNIVERSITY OF IOWA			
AM20231-01	KELSO, J A SCOTT	MOVEMENT CONTROL FOLLOWING FINGER JOINT REPLACEMENT	26,287
HD11466-01	ROBILLARD, JEAN E	MATURATION OF THE FETAL KIDNEY	62,387
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
<b>KANSAS</b>			
KANSAS CITY			
UNIVERSITY OF KANSAS			
HD11103-01	BAST, JOSEPH D	NEUROENDOCRINE REGULATION OF REPRODUCTION IN THE RAT	38,400
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>LAWRENCE</b>			
UNIVERSITY OF KANSAS			
AG00703-01	FLYNN, CYNTHIA B	MIGRATION OF AGED IN THE UNITED STATES	47,946
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
<b>KENTUCKY</b>			
LEXINGTON			
EPHRAIM MC DOWELL COMMUNITY CANCER NETWORK			
CA2124-01	GOLDENBERG, DAVID M	MC DOWELL COMMUNITY OUTREACH DEVELOPMENT PROGRAM	255,634
INSTITUTION TOTAL	1		
UNIVERSITY OF KENTUCKY			
CA21807-01	ZIMMER, STEPHEN G	EARLY GENE TRANSCRIPTION IN ADENOVIRUS 2 INFECTED CELLS	36,640
INSTITUTION TOTAL	1		
CITY TOTAL	2		

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
KENTUCKY			
LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
CA22091-01	MOORE, CONDUCT	CANCER CONTROL DEVELOPMENTAL AND SUPPORT GRANT	187,559
INSTITUTION TOTAL	1		187,559
CITY TOTAL	1		187,559
STATE TOTAL	3		479,833
LOUISIANA			
NEW ORLEANS			
ALTON OCHSNER MEDICAL FOUNDATION			
AM19897-01	BOWEN, JOHN C	GASTRIC MUCOSAL INTEGRITY: INTRACELLULAR HYPOXIA	39,620
INSTITUTION TOTAL	1		39,620
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS			
HL21534-01	OALMANN, MARGARET C	ATHEROSCLEROSIS, CORONARY HEART DISEASE, SUDDEN DEATH	50,000
INSTITUTION TOTAL	1		50,000
CITY TOTAL	2		89,620
STATE TOTAL	2		89,620
MAINE			
WEST BOOTHBAY HARBOR			
NORTHEASTERN RESEARCH FOUNDATION			
ES01329-01A1	YENTSCH, CLARICE M	ASSESSMENT OF HEALTH HAZARDS FROM TOXIC RED TIDE CYSTS	37,900
INSTITUTION TOTAL	1		37,900
CITY TOTAL	1		37,900
STATE TOTAL	1		37,900
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
CA21642-01A1	GORDIS, LEON	ENVIRONMENTAL EPIDEMIOLOGIC STUDY OF PANCREATIC CANCER	46,888
CA22130-01	HAYWARD, GARY S	STRUCTURAL ORGANIZATION OF HERPES VIRUS DNA MOLECULES	64,955
HD11016-01	NEWMAN, PETER K	MALARIA AND FERTILITY: THE CASE OF SRI LANKA	23,921
NS13992-01	SAFFRAN, ELEANOR M	READING MECHANISMS IN PHONEMIC DYSLEXICS AND NORMALS	32,257

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MARYLAND</b>			
<b>BALTIMORE</b>			
JOHNS HOPKINS UNIVERSITY			
AI13449-01A1	SCHILLER, EVERETT L	EXOANTIGENS OF SCHISTOSOMA MANSONI	52,923
AM20328-01	VALLE, DAVID L	MAMMALIAN PROLINE METABOLISM	32,631
INSTITUTION TOTAL	6	253,575	
<b>UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE</b>			
DE04795-01	MINAH, GLENN E	DEVELOPMENT OF FISSURAL DENTAL PLAQUE	20,398
INSTITUTION TOTAL	1	20,398	
CITY TOTAL	7	273,973	
<b>BETHESDA</b>			
<b>TRANSNATIONAL FAMILY RESEARCH INSTITUTE</b>			
HD11068-01	DAVID, HENRY P	RESOLUTION OF ADOLESCENT PREGNANCY: DANISH EXPERIENCE	77,350
INSTITUTION TOTAL	1	77,350	
CITY TOTAL	1	77,350	
STATE TOTAL	8	351,323	
<b>MASSACHUSETTS</b>			
<b>AMHERST</b>			
UNIVERSITY OF MASSACHUSETTS AT AMHERST			
HD11252-01	BLACK, DONALD L	HORMONAL CONTROL OF OVUM TRANSPORT	28,750
INSTITUTION TOTAL	1	28,750	
CITY TOTAL	1	28,750	
<b>BOSTON</b>			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
CA23053-01	MATHEWS-ROTH, MICHELLE M	CAROTENOIDS AS ANTITUMOR AGENTS FOR SKIN TUMORS	27,983
DE04677-01	SONIS, STEPHEN T	CELL-MEDIATED IMMUNITY IN PERIODONTAL DISEASE	46,847
HL22528-01	TAGER, IRA B	EARLY RISK PREDICTORS FOR CHRONIC PULMONARY DISEASE	56,396
INSTITUTION TOTAL	3	131,226	
<b>BETH ISRAEL HOSPITAL</b>			
AM20062-01	LANDSBERG, LEWIS	CATECHOL METABOLISM AND TRANSPORT IN GUT MUCOSA	23,996
INSTITUTION TOTAL	1	23,996	

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS BOSTON BOSTON BIOMEDICAL RESEARCH INSTITUTE GM23422-01	FISHER, ROBERT J	MAMMALIAN MITOCHONDRIAL BIOGENESIS	59,602
INSTITUTION TOTAL	1		59,602
BOSTON UNIVERSITY HL20637-01 EY01990-01 AM20403-01	JENKINS, C DAVID LAING, RONALD A LANG, MICHAEL A	RECOVERY AFTER HEART SURGERY: BIO-BEHAVIORAL FACTORS METABOLIC STUDIES OF CORNEAL TISSUES CELL VOLUME REGULATION DURING OSMOTIC STRESS	155,380 86,969 42,435
INSTITUTION TOTAL	3		284,784
CHILDREN'S HOSPITAL HD10818-01 CA21819-01	MEDICAL CENTER FOX, THOMAS O LEVITON, ALAN	STERIOD RECEPTOR MECHANISMS IN DEVELOPING MOUSE BRAIN CLASSIFICATION AND ETIOLOGY OF CHILDHOOD BRAIN TUMORS	48,939 112,307
INSTITUTION TOTAL	2		161,246
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION EY01703-01A1	ADOLPH, ALAN R	RETINAL SYNAPTIC MECHANISMS AND VISUAL FUNCTION	43,302
INSTITUTION TOTAL	1		43,302
FORSYTH DENTAL CENTER DE04881-01	SOCRANSKY, SIGMUND S	CENTER FOR CLINICAL RESEARCH IN PERIODONTAL DISEASES	213,557
INSTITUTION TOTAL	1		213,557
HARVARD UNIVERSITY CA22271-01 HL20364-01A1 AM20274-01 HD11267-01	FLECKENSTEIN, BERNHARD HERD, J ALAN LIU, ALICE Y MILLETTE, CLARKE F	HERPES VIRUS ATELES DNA AND ONCOGENIC TRANSFORMATION EPISODIC HYPERTENSION ASSOCIATED WITH HUMAN BEHAVIOR PROTEIN SYNTHESIS REGULATION BY CYCLIC AMP AND STEROID MAMMALIAN SPERMATOGENESIS: CELL MEMBRANE BIOCHEMISTRY	53,636 41,105 24,000 42,117
INSTITUTION TOTAL	4		160,858
MASSACHUSETTS GENERAL HOSPITAL AM20701-01 CA21239-01	FITZPATRICK, THOMAS B SUIT, HERMAN D	XTH INTERNATIONAL PIGMENT CELL CONFERENCE PROTON RADIATION THERAPY RESEARCH	12,500 1,440,444
INSTITUTION TOTAL	2		1,452,944
SINEY FARBER CANCER INSTITUTE CA22030-01	ENSMINGER, WILLIAM D	METHOTREXATE WITH PROTECTION BY THYMIDYLATE PRECURSOR	46,750

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS BOSTON SIDNEY FARBER CANCER CA22042-01	STILES, CHARLES D	ROLE OF SERUM IN THE FOREIGN BODY RESPONSE	48,660
INSTITUTION TOTAL	2	95,410	
TUFTS UNIVERSITY CA22269-01	MIKKELSEN, ROSS B	CA2+ METABOLISM IN NORMAL AND TRANSFORMED LYMPHOCYTES	59,623
INSTITUTION TOTAL	1	59,623	
CITY TOTAL	21	2,686,548	
CAMBRIDGE MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA21951-01 ARCHER, MICHAEL C RR01096-01 MARTIN, WILLIAM A GM24009-01 TORRIANI-GORINI, ANNAMARIA		MECHANISM OF NITROSAMINE ALKYLATION OF DNA AND RNA LABORATORY FOR CLINICAL DECISION MAKING ENZYME SYNTHESIS, STRUCTURE--E COLI ALKALINE PHOSPHATASE	27,800 56,426 46,622
INSTITUTION TOTAL	3	130,848	
CITY TOTAL	3	130,848	
CHESTNUT HILL BOSTON COLLEGE GM24185-01	PETRI, WILLIAM H	CONTROL OF DIFFERENTIATION: DROSOPHILA CHORION GENES	36,006
INSTITUTION TOTAL	1	36,006	
CITY TOTAL	1	36,006	
STATE TOTAL	26	2,882,152	
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN CA21808-01 FOLK, WILLIAM R AI14363-01 FRIEDMAN, DAVID I GM24872-01 WEISLER, MIRIAM H NS13792-01 SCHACHT, JOCHEN		ANALYSIS OF THE POLYOMA GENOME IN TRANSFORMED CELLS GENETICS OF HOST FACTORS IN INTEGRATIVE RECOMBINATION GENETIC REGULATION OF MOUSE ENZYMES MECHANISMS OF ANTIBIOTIC INDUCED HEARING LOSS	47,835 33,451 38,493 44,049
INSTITUTION TOTAL	4	163,828	
CITY TOTAL	4	163,828	

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MICHIGAN DETROIT HENRY FORD HOSPITAL HL21092-01	CARRETERO, OSCAR A	FACTORS OTHER THAN RENIN IN RENAL HYPERTENSION	33,938
INSTITUTION TOTAL 1			33,938
WAYNE STATE UNIVERSITY CA21597-01 AM19777-01 CA22206-01	GALA, RICHARD R KING, ALBERT I MARNETT, LAWRENCE J	PROLACTIN--ADRENAL INVOLVEMENT IN DMBA MAMMARY TUMORS GAIT ANALYSIS WITH MINIATURE SHOE-BORNE LOAD CELLS MALONALDEHYDE STUDIES	46,112 68,000 16,752
INSTITUTION TOTAL 3			130,864
CITY TOTAL 4			164,802
ROCHESTER OAKLAND UNIVERSITY AG00723-01	ZEPELIN, HAROLD	AGING AND THE QUALITY OF HUMAN SLEEP	11,990
INSTITUTION TOTAL 1			11,990
CITY TOTAL 1			11,990
STATE TOTAL 9			340,620
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA CA21899-01 CA22195-01	ANDERS, MARION W ESTENSEN, RICHARD D	METABOLISM AND CELLULAR INTERACTIONS OF HALOFORMS A COCARCINOGEN AS A LYMPHOCYTE MITOGEN	42,676 46,748
INSTITUTION TOTAL 2			89,424
CITY TOTAL 2			89,424
ROCHESTER MAYO FOUNDATION HL21533-01	CHESEBRO, JAMES H	PLATELET INHIBITOR DRUG IN CORONARY SURGERY	86,465
INSTITUTION TOTAL 1			86,465
CITY TOTAL 1			86,465
STATE TOTAL 3			175,889

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI-COLUMBIA CA22289-01 AM20305-01	LOEPPKY, RICHARD N WOLFE, JOHN F	NITROSAMINE FRAGMENTATION AND NITROSAMINE CARCINOGENESIS NUCLEAR ANTIGEN IMMUNE MECHANISMS IN POLYMYOSITIS	31,636 21,440
INSTITUTION TOTAL CITY TOTAL	2 2	53,076 53,076	
SAINT LOUIS JEWISH HOSPITAL OF ST. LOUIS AI14226-01	THOMAS, DAVID W	T LYMPHOCYTE AND MACROPHAGE INTERACTIONS	60,000
INSTITUTION TOTAL	1	60,000	
ST. LOUIS UNIVERSITY CA20683-01 CA21824-01	ELICEIRI, GEORGE L GREEN, MAURICE	CONTROL MECHANISMS IN HUMAN TUMOR CELLS--SMALL RNAS TRANSFORMING PROTEINS OF THREE HUMAN ADENOVIRUS GROUPS	48,381 56,737
INSTITUTION TOTAL CITY TOTAL	2 3	105,118 165,118	
UNIVERSITY CITY WASHINGTON UNIVERSITY NS13267-01A1	SWANSON, LARRY W	CONNECTIONS OF THE LIMBIC SYSTEM AND HYPOTHALAMUS	46,407
INSTITUTION TOTAL CITY TOTAL	1 1	46,407 46,407	
STATE TOTAL	6	264,601	46,407
NEBRASKA OMAHA CREIGHTON UNIVERSITY AG00663-01 AI13652-01	BURCH, ROBERT E TRIMBLE, JOHN J, III	AGING: TISSUE TRACE ELEMENTS AND ENZYMWATIC ACTIVITY CYTOPHYSIOLOGY OF NEMATODE INTESTINAL CELL SURFACE	32,500 23,660
INSTITUTION TOTAL CITY TOTAL	2 2	56,160 56,160	
STATE TOTAL	2	56,160	

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	42,850	
NEW YORK			
LAKE PLACID			
TISSUE CULTURE ASSOCIATION--W.	ALTON JONES	CELL SCIENCE CENTER	
AM20515-01	DOUGLAS, WILLIAM H	CYSTIC FIBROSIS	4,195
AG00338-01A1	SMITH, JAMES R	CLONAL ANALYSIS OF AGING HUMAN DIPLOID CELL CULTURES	31,200
INSTITUTION TOTAL	2	35,395	
CITY TOTAL	2	35,395	
NEW YORK			
AMERICAN CANCER SOCIETY			
CA21588-01	ARJE, SIDNEY L	ACS/NCI LYMPHOMAS & LEUKEMIAS NATIONAL CONFERENCE	50,000
INSTITUTION TOTAL	1	50,000	
COLUMBIA UNIVERSITY			
AI14398-01	PERNIS, BENVENUTO G	THE PHYSIOLOGY OF LYMPHOCYTE IMMUNOGLOBULIN RECEPTORS	119,215
CA23094-01	STILL, WILLIAM C	SYNTHESIS OF ANTITUMOR AGENTS	34,944
INSTITUTION TOTAL	2	154,159	
CORNELL UNIVERSITY MEDICAL CENTER			
HL21136-01	LEE, CHEN O	ION ACTIVITIES AND TRANSPORT IN CARDIAC MUSCLE CELLS	33,752
HL21490-01	SILK, SUSAN T	STUDIES OF ENZYMES IN HUMAN PLATELET MEMBRANES	30,000
INSTITUTION TOTAL	2	63,752	
HOSPITAL FOR SPECIAL SURGERY			
AM20048-01	BURSTEIN, ALBERT H	MECHANICAL PROPERTIES OF NORMAL AND PATHOLOGIC BONE	70,741
INSTITUTION TOTAL	1	70,741	
NEW YORK CITY HEALTH SERVICES ADMINISTRATION--PUBLIC HEALTH RESEARCH INSTITUTE OF CITY OF N Y			
AM19696-01A1	SHEFER, SARAH	INBORN ERRORS IN BILE ACID SYNTHESIS	65,077
INSTITUTION TOTAL	1	65,077	
NEW YORK UNIVERSITY			
CA20851-01	GEACINTOV, NICHOLAS E	CHARACTERIZATION OF CARCINOGEN-NUCLEIC ACID COMPLEXES	73,098
AM20249-01	GERSHENGORN, MARVIN C	REGULATION OF TSH SYNTHESIS AND SECRETION IN VITRO	45,000
CA22247-01	MEUVELO, DANIEL	GENETIC CONTROL OF VIRUS-INDUCED LEUKEMIA	43,520

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
NEW YORK UNIVERSITY			
HL21328-01	OPPENHEIM, JOEL D	THE I BLOOD GROUP ANTIGEN OF HUMAN ERYTHROCYTE MEMBRANE	35,000
CA22085-01	PEARLSTEIN, EDWARD	CELL ADHESION FACTOR: BIOLOGY AND CHEMISTRY	26,733
INSTITUTION TOTAL	5	223,351	
ROCKEFELLER UNIVERSITY			
CA22090-01	NATHAN, CARL F	MONONUCLEAR LEUKOCYTES IN TUMOR IMMUNITY	64,171
CA22582-01	SCHEEK, GEORGE A	EXOCHINE PANCREATIC PROTEIN IN CANCER OF THE PANCREAS	38,011
RR01089-01	SCHOENFELD, ROBERT L	A MICROPROCESSOR BIOTECHNOLOGY RESOURCE	88,041
INSTITUTION TOTAL	3	190,223	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
CA22131-01	BOYSE, EDWARD A	IMMUNOGENETICS OF LY SYSTEMS	104,186
CA22462-01	KOO, GLORIA C	DIFFERENTIATIVE IMMUNOGENETICS: THE T/T LOCUS	31,389
CA22038-01	MC DONALD, JOSEPH C	CALORIMETRIC DOSIMETRY FOR NEUTRON RADIOTHERAPY	35,358
CA22241-01	SCHEID, MARGRIT P	LYMPHOCYTE SUBSETS IN IMMUNE-DEFICIENCY STATES	37,783
INSTITUTION TOTAL	4	208,716	
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER			
HL21469-01	LEE, KWANG S	ACTIVE TRANSPORT AND EFFECT OF CA++ IN SICKLE CELL	43,170
AM20080-01	ROSENTHAL, CONSTANTIN J	SERUM AMYLOID A PROTEIN IN NEOPLASTIC DISEASES	40,605
INSTITUTION TOTAL	2	83,775	
CITY TOTAL	21	1,109,794	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
GM24320-01	DELICA, KARL A	STRUCTURE OF THE BACTERIAL CHROMOSOME	83,070
CA19764-01A1	HEMPELMANN, LOUIS H	HUMAN RADIATION CARCINOGENESIS STUDY	77,953
INSTITUTION TOTAL	2	161,023	
CITY TOTAL	2	161,023	
SARANAC LAKE			
TRUDEAU INSTITUTE			
AI4383-01	POULTER, LEONARD W	MECHANISMS OF IMMUNITY TO LEISHMANIASIS	65,660
INSTITUTION TOTAL	1	65,660	
CITY TOTAL	1	65,660	

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>NEW YORK</b>			
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK			
RR01039-01A1	ALTMAN, LAWRENCE J	FACILITY FOR BIOMEDICAL NMR ON RADIOACTIVE SAMPLES	83,394
DE04984-01	KLEINBERG, ISRAEL	WORKSHOP ON SALIVA AND DENTAL CARIES	45,727
HD10933-01A1	TSENG, LINDA	ESTRADIOL DEHYDROGENASE INDUCTION IN HUMAN ENDOMETRIUM	24,212
INSTITUTION TOTAL	3	153,333	
CITY TOTAL	3	153,333	
STATE TOTAL	40	2,770,711	
<b>NORTH CAROLINA</b>			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
GM24251-01	HARRIS, ALBERT K	ADHESION AND Traction IN TISSUE CELL LOCOMOTION	57,743
HL21139-01	MC DONAGH, JAN M	MOLECULAR BIOLOGY OF FACTOR XIII	47,890
INSTITUTION TOTAL	2	105,633	
CITY TOTAL	2	105,633	
<b>DURHAM</b>			
DUKE UNIVERSITY			
ES01186-01A2	ABOU-DONIA, MOHAMED B	DELAYED NEUROTOXICITY OF ORGANOPHOSPHORUS PESTICIDES	37,072
AM20205-01	BELL, ROBERT M	REGULATION OF TRIACYLGLYCEROL SYNTHESIS IN ADIPOCYTES	42,110
DE04609-01	DANIELS, CHARLES A	THE INFLAMMATORY RESPONSE IN VIRAL INFECTION	32,188
CA21772-01	LANG, DAVID J	LEUKEMIA AND CYTOMEGALOVIRUSES: RECIPROCAL EFFECTS	61,788
INSTITUTION TOTAL	4	173,158	
CITY TOTAL	4	173,158	
STATE TOTAL	6	278,791	
<b>OHIO</b>			
CINCINNATI			
UNIVERSITY OF CINCINNATI			
HL21446-01	MC CUSKEY, ROBERT S	HEMODYNAMICS OF SICKLE CELLS IN THE MICROCIRCULATION	38,750
HD11250-01	NIEWENHUIS, ROBERT J	ULTRASTRUCTURAL EFFECTS OF CADMIUM ON THE TESTIS	28,758
AM20269-01	ROE, RYONG-JOON	IN VIVO DEGRADATION OF POLYETHYLENE IMPLANTS	54,300
INSTITUTION TOTAL	3	121,808	
CITY TOTAL	3	121,808	

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>OHIO</b>			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
NS13889-01	GULLEY, ROBERT L	FREEZE-FRACTURE STUDY OF DEGENERATION IN THE AVCN	75,600
INSTITUTION TOTAL	1	75,600	
CITY TOTAL	1	75,600	
<b>COLUMBUS</b>			
OHIO STATE UNIVERSITY			
NS13903-01	STOCKWELL, CHARLES W	VESTIBULAR CONTROL OF POSTURE	30,978
INSTITUTION TOTAL	1	30,978	
CITY TOTAL	1	30,978	
<b>DAYTON</b>			
UNIVERSITY OF DAYTON			
CA23261-01	TURGEON, ROBERT	CROWN GALL TUMOR DISEASE: SUPPRESSION AND RECOVERY	40,590
INSTITUTION TOTAL	1	40,590	
CITY TOTAL	1	40,590	
<b>ROOTSTOWN</b>			
NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE			
NS14346-01	CRUCE, WILLIAM L	STRUCTURE AND FUNCTION OF SUPRASPINAL PATHWAYS	38,778
INSTITUTION TOTAL	1	38,778	
CITY TOTAL	1	38,778	
<b>TOLEDO</b>			
MEDICAL COLLEGE OF OHIO AT TOLEDO			
CA21931-01	SKEEL, ROLAND T	NORTHWEST OHIO CANCER NETWORK OUTREACH PROGRAM	89,500
HL21291-01	TAN, SIANG Y	RENIN-MINERALOCORTICOID AXIS IN HYPERTENSIVE DIABETICS	28,500
INSTITUTION TOTAL	2	118,000	
CITY TOTAL	2	118,000	
STATE TOTAL	9	425,754	
<b>OKLAHOMA</b>			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
NS14039-01	KOSS, MICHAEL C	ADRENERGIC CONTROL OF A CENTRAL AUTONOMIC SYSTEM	23,767

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
AM19503-01	METCOFF, JACK	REGULATION OF CELL METABOLISM IN UREMIA	95,782
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
ES01556-01	BUHLER, DONALD R	METABOLISM OF HEXACHLOROBENZENE--TOXICITY AND PORPHYRIA	27,600
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PORTLAND			
MEDICAL RESEARCH FOUNDATION OF OREGON			
EY02086-01	HU, FUNAN	STROMAL PIGMENT CELLS OF THE UVEA IN CULTURE	36,559
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
CA21799-01	ST JEOR, STEPHEN C	HERPES VIRUS-INDUCED MALIGNANCY	56,960
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PHILADELPHIA			
ALBERT EINSTEIN MEDICAL CENTER			
HL20994-01	KIMBEL, PHILIP	DYNAMICS OF NEUTROPHIL ELASTASE IN THE LUNG	619,772
INSTITUTION TOTAL	1		

\* INCLUDES DIRECT COST ONLY FOR NIH AWARD

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA PHILADELPHIA HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA AI13337-01A1	MAGUIRE, HENRY C, JR	REGULATION OF THE IMMUNE RESPONSE TO CONTACT ALLERGENS	54,698
INSITUITION TOTAL	1		54,698
LANKENAU HOSFITAL HL21129-01	CHAO, TESSA L	THE ANTISICKLING EFFECTS OF IMIDOESTERS	34,249
INSITUITION TOTAL	1		34,249
MEDICAL COLLEGE OF PENNSYLVANIA CA22170-01	BASKIN, STEVEN I	REGULATION OF LEUKEMIC PROLIFERATION BY TAURINE	23,950
INSITUITION TOTAL	1		23,950
UNIVERSITY OF PENNSYLVANIA HL22345-01 CA22337-01 HL22463-01 EY01770-01 AM20361-01 HD10379-01 AI14332-01	BROWNELL, KELLY D CAVA, MICHAEL P GIL, JOAN HURVICH, D JAMFSON TROTMAN, BRUCE W WHITNEY, VINCENT H ZWEIMAN, BURTON	BEHAVIORAL CARDIOVASCULAR COMPLIANCE STRATEGIES TUMOR-INHIBITORY ALKALOID STUDIES PINOCYTOTIC VESICLES & PULMONARY EDEMA MECHANISMS OF COLOR-CONTINGENT AFTEREFFECTS MODEL OF HUMAN PIGMENT GALLSTONES POPULATION STUDIES CENTER CELLULAR INFLAMMATORY RESPONSES IN ALLERGIC REACTIONS	29,069 44,386 37,112 19,319 21,410 39,283 94,940
INSITUITION TOTAL	7		285,519
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY AI14238-01	BRINTON, MARGO	GENETICALLY DETERMINED RESISTANCE TO VIRUS INFECTIONS	46,605
INSITUITION TOTAL	1		46,605
CITY TOTAL	12		1,064,793
PITTSBURGH CARNEGIE-MELLON UNIVERSITY AM19660-01	HITCHCOCK, SARAH E	MOLECULAR BIOLOGY OF REGULATION OF CONTRACTION	57,004
INSITUITION TOTAL	1		57,004
EYE AND EAR HOSPITAL OF PITTSBURGH EY01817-01	BROWN, STUART I	STRUCTURAL MACROMOLECULES: NORMAL AND DISEASED CORNEA	90,008
INSITUITION TOTAL	1		90,008

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA PITTSBURGH UNIVERSITY OF PITTSBURGH DE04584-01	SASSOUNI, VIKEN	AUTOMATED PHYSIOPRINTING OF FACIAL PATTERN	46,462
INSTITUTION TOTAL	1		46,462
CITY TOTAL	3		193,474
UNIVERSITY PARK PENNSYLVANIA STATE UNIVERSITY AM20374-01	GAY, CAROL V	ULTRASTRUCTURAL STUDIES OF BIOLOGICAL MINERALIZATION	27,139
GM23524-01	STEVENS, STANLEY E, JR	CONTROL OF NITROGEN ASSIMILATION IN BLUE-GREEN ALGAE	39,462
AI13420-01A1	TERSNAK, DANIEL R	DELETION MUTANTS OF POLIOVIRUS	36,955
INSTITUTION TOTAL	3		103,556
CITY TOTAL	3		103,556
STATE TOTAL	19		1,418,783
RHODE ISLAND KINGSTON UNIVERSITY OF RHODE ISLAND CA22338-01	SHIMIZU, YUZURU	MARINE BIOPOLYMERS WITH CELL SPECIFICITY	21,410
INSTITUTION TOTAL	1		21,410
CITY TOTAL	1		21,410
STATE TOTAL	1		21,410
SOUTH CAROLINA COLUMBIA UNIVERSITY OF SOUTH CAROLINA AM19971-01	BAYNES, JOHN W	CLEARANCE OF GLYCOPROTEINS FROM THE CIRCULATION	49,581
INSTITUTION TOTAL	1		49,581
CITY TOTAL	1		49,581
STATE TOTAL	1		49,581
TENNESSEE KNOXVILLE UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE GM24271-01	BRYANT, ROBERT E	RNA POLYMERASE MUTATIONS IN MAMMALIAN CELLS	33,707

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	33,707	
CITY TOTAL	1	33,707	
TENNESSEE			
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL		CANCER CENTER SUPPORT (CORE) GRANT	664,541
CA21765-01 MAUER, ALVIN M		LEUKEMIA PROGRAM PROJECT	1,237,298
CA20180-01 MAUER, ALVIN M			
INSTITUTION TOTAL	2	1,901,839	
CITY TOTAL	2	1,901,839	
NASHVILLE			
VANDERBILT UNIVERSITY		GLUCOCORTICOID PERMISSIVE ACTION ON LIVER METABOLISM	37,236
AM20306-01 CHAN, TIMOTHY M			
INSTITUTION TOTAL	1	37,236	
CITY TOTAL	1	37,236	
STATE TOTAL	4	1,972,782	
TEXAS			
AUSTIN		THE TOTAL SYNTHESIS OF SARRACENIN	32,815
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN			
CA21852-01 WHITESELL, JAMES K			
INSTITUTION TOTAL	1	32,815	
CITY TOTAL	1	32,815	
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY		PORPHYRIN AND CORRINOID BIOSYNTHESIS	88,668
AM20528-01 SCOTT, A IAN			
INSTITUTION TOTAL	1	88,668	
CITY TOTAL	1	88,668	
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS		AUTONOMIC PREDICTORS OF HYPERTENSION IN CHILDREN	51,420
HL20655-01 PRICE, KENNETH F			
INSTITUTION TOTAL	1	51,420	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	51,420	
TEXAS			
DENTON			
TEXAS WOMAN'S UNIVERSITY			
HD11008-01	PENDERGRASS, PAULA B	CONTRACTILE MECHANISMS OF MAMMALIAN OVULATION	9,794
INSTITUTION TOTAL	1	9,794	
CITY TOTAL	1	9,794	
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
CA20667-01	GOLDSTEIN, ALLAN L	CHEMICAL & IMMUNOLOGICAL CHARACTERISTICS OF THYMOSIN	36,000
NS13311-01A1	MC ADOO, DAVID J	GLYCINE AS A NEUROTRANSMITTER IN IDENTIFIED NEURONS	21,208
INSTITUTION TOTAL	2	57,208	
CITY TOTAL	2	57,208	
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
CA21801-01	CABRAL, GUY A	HERPES VIRUS ANTIGENS IN TRANSFORMED CELLS	32,174
CA22261-01	CHAN, JARVIS T	ANTIOXIDANT REVERSED CYTOTOXICITY AND CARCINOGENESIS	32,980
CA21771-01	COURTNEY, RICHARD J	STUDIES OF PURIFIED HERPES SIMPLEX VIRUS GLYCOPROTEINS	46,502
HD10989-01	KAUFMAN, RAYMOND H	PREGNANCY AND DES ASSOCIATED UPPER GENITAL ANOMALIES	47,426
EY02423-01	LAM, DOMINIC M	NEUROTRANSMITTERS IN THE VISUAL SYSTEM	58,273
INSTITUTION TOTAL	5	217,355	
TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION--TEXAS RESEARCH INST OF MENTAL SCIENCES			
AG00725-01	SMITH, ROBERT C	AGING AND TOXICITY OF CHRONIC NEUROLEPTIC DRUGS	11,967
INSTITUTION TOTAL	1	11,967	
UNIVERSITY OF HOUSTON			
HL21476-01	FELDMAN, STUART	ANTICOAGULANT DRUG ABSORPTION INTERACTIONS	38,798
INSTITUTION TOTAL	1	38,798	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
DE04602-01	BULLOCK, WESLEY W	REGULATION OF CUTANEOUS BASOPHIL HYPERSENSITIVITY	26,023
INSTITUTION TOTAL	1	26,023	
CITY TOTAL	8	294,143	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS			
LUBBOCK			
TEXAS TECH UNIVERSITY			
HL21145-01	ROBERTS, LOU A	RESPONSE OF ATRIA TO HYPEROSMOLALITY--MECHANISMS	30,519
INSTITUTION TOTAL	1	30,519	
CITY TOTAL	1	30,519	
SAN ANTONIO			
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION			
CA21864-01	SHAIN, SYDNEY A	PROSTATIC CARCINOGENESIS: DISDIFFERENTIATION IN AGING	49,656
INSTITUTION TOTAL	1	49,656	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
CA22343-01	CHAMNESS, GARY C	MECHANISM OF ANTITESTROGEN ACTION IN BREAST CANCER	40,635
INSTITUTION TOTAL	1	40,635	
CITY TOTAL	2	90,291	
STATE TOTAL	17	654,858	
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CA21797-01	GURNEY, ELIZABETH T	GROWTH CONTROL AND VIRAL GENE EXPRESSION	38,754
AM20207-01	LEE, G RICHARD	STUDIES IN COPPER AND IRON METABOLISM	129,069
INSTITUTION TOTAL	2	167,823	
CITY TOTAL	2	167,823	
STATE TOTAL	2	167,823	
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
CA21258-01	BRESNICK, EDWARD	IN VIVO-IN VITRO MODEL FOR IDENTIFICATION OF CARCINOGENS	52,989
CA21863-01	GANS, JOSEPH H	ADAPTATION TO CHEMICAL INJURY	34,714
INSTITUTION TOTAL	2	87,703	
CITY TOTAL	2	87,703	
STATE TOTAL	2	87,703	

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GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
VIRGINIA			
NORFOLK			
EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL			
AM21374-01	COOKE, WILLIAM J	HEPATIC EXCRETION OF ANIONIC DRUGS	34,000
INSTITUTION TOTAL	1		34,000
CITY TOTAL	1		34,000
RICHMOND			
UNIVERSITY OF RICHMOND			
AM20148-01	TOPHAM, RICHARD W	PHYSIOLOGICAL SIGNIFICANCE OF FERROXIDASE-II	29,090
INSTITUTION TOTAL	1		29,090
VIRGINIA COMMONWEALTH UNIVERSITY			
HL22435-01	GLAUSER, FREDERICK L	PULMONARY ALVEOLAR-CAPILLARY PERMEABILITY CHARACTERISTIC	28,114
INSTITUTION TOTAL	1		28,114
CITY TOTAL	2		57,204
STATE TOTAL	3		91,204
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY			
HL211462-01	CAMPBELL, KENNETH B	MECHANICAL INTERACTIONS BETWEEN VENTRICLE ARTERIES	29,178
HD10808-01	GRISWOLD, MICHAEL D	HORMONAL REGULATION OF SERTOLI CELL MATURATION	43,328
NS13976-01	HARDING, JOSEPH W	CONTROL OF OLFACTORY NEURON REPLACEMENT	36,301
INSTITUTION TOTAL	3		108,807
CITY TOTAL	3		108,807
SEATTLE			
UNIVERSITY OF WASHINGTON			
CA21880-01	JONES, ROBERT F	CLINICAL CANCER EDUCATION PROGRAM	84,061
AG00896-01	WILKIE, FRANCES L	AGE RELATED RESPONSES TO CATECHOLAMINE INFUSION	42,541
INSTITUTION TOTAL	2		126,602
CITY TOTAL	2		126,602
STATE TOTAL	5		235,409

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

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DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>WEST VIRGINIA</b>			
MORGANTOWN			
<b>WEST VIRGINIA UNIVERSITY</b>			
HD11679-01	BUTCHER, ROY L	ALTERATIONS IN THE OOCYTE DURING PREOVULATORY AGING	36,780
AM21348-01	HEDGE, GEORGE A	NEUROENDOCRINE REGULATION OF ACTH AND TSH SECRETION	36,619
INSTITUTION TOTAL 2 73,399			
CITY TOTAL 2 73,399			
STATE TOTAL 2 73,399			
<b>WISCONSIN</b>			
<b>MADISON</b>			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
HD10533-01A1	BRIDSON, WILLIAM E	HYPOTHALAMIC-PITUITARY-TESTICULAR DEVELOPMENT	57,460
NS13878-01	HOKIN, MABEL R	CONTROL OF MEMBRANE ACTIVITY BY NEUROTRANSMITTERS	55,817
AI14354-01	HONG, RICHARD	CLINICAL AND EXPERIMENTAL STUDIES OF CULTURED THYMUS	54,874
AM20474-01	MADSEN, PAUL O	PATHOGENESIS AND THERAPY OF BACTERIAL PROSTATITIS	38,962
INSTITUTION TOTAL 4 207,113			
CITY TOTAL 4 207,113			
<b>MILWAUKEE</b>			
MOUNT SINAI MEDICAL CENTER			
CA21998-01	TRUITT, ROBERT L	ADOPTIVE IMMUNOTHERAPY USING ENDOTOXIN-TREATED DONORS	27,355
INSTITUTION TOTAL 1 27,355			
CITY TOTAL 1 27,355			
STATE TOTAL 5 234,468			
<b>WYOMING</b>			
<b>LARAMIE</b>			
UNIVERSITY OF WYOMING			
GM23878-01	JENKINS, ROBERT A	INTRANUCLEAR SPINDLE AS A MODEL FOR MITOSIS	31,391
INSTITUTION TOTAL 1 31,391			
CITY TOTAL 1 31,391			
STATE TOTAL 1 31,391			

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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PUERTO RICO SAN JUAN UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES AI14791-01	HABEEB, AHMED F S A	DETERMINATION OF THE ANTIGENIC STRUCTURE OF LYSOZYME	26,752
INSTITUTION TOTAL	1		26,752
CITY TOTAL	1		26,752
STATE TOTAL	1		26,752
 AUSTRALIA PARKVILLE UNIVERSITY OF MELBOURNE CA22492-01	 METCALF, DONALD	 REGULATION OF B-LYMPHOCYTE COLONIES	 38,839
INSTITUTION TOTAL	1		38,839
CITY TOTAL	1		38,839
STATE TOTAL	1		38,839
 CANADA LONDON UNIVERSITY OF WESTERN ONTARIO CA21311-01	 MORRIS, VINCENT L	 CONTROL OF EXPRESSION OF MOUSE MAMMARY TUMOR VIRUS	 45,783
INSTITUTION TOTAL	1		45,783
CITY TOTAL	1		45,783
STATE TOTAL	1		45,783
 GERMANY FED R ESSEN UNIVERSITY OF ESSEN CA20017-01a1	 RAJEWSKY, MANFRED F	 NERVOUS SYSTEM-SPECIFIC CHEMICAL CARCINOGENESIS	 39,280
INSTITUTION TOTAL	1		39,280
CITY TOTAL	1		39,280
STATE TOTAL	1		39,280
TOTAL	271		18,592,922

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
CB74092-00	NIEDERMEIER, WILLIAM	STUDY OF TRANSFORMED MAMMARY EPITHELIAL CELLS IN VITRO	100,500
INSTITUTION TOTAL	1	100,500	
CITY TOTAL	1	100,500	
STATE TOTAL	1	100,500	
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA			
ES72111-00	SIPES, GLEN	EXTRAPOLATION OF PCB DEPOSITION	194,355
INSTITUTION TOTAL	1	194,355	
CITY TOTAL	1	194,355	
STATE TOTAL	1	194,355	
CALIFORNIA			
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AM72223-00	CROSBY, WILLIAM H	RADIOISOTOPE TEST OF IRON CHELATOR SCREEN	10,000
INSTITUTION TOTAL	1	10,000	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
CB74188-00	SATO, GORDON H	GROWTH/PASSAGE OF MAMMARY EPITHELIAL CELLS IN CULTURE	55,700
INSTITUTION TOTAL	1	55,700	
CITY TOTAL	2	65,700	
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
CB74202-00	SPIVEY, GARY H	EPIDEMIOLOGY OF BENIGN BREAST DISEASE	146,000
INSTITUTION TOTAL	1	146,000	
CITY TOTAL	1	146,000	
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
CB74091-00	TALANANTES, FRANK J, JR	ESTROGEN/PROGFSTIN EFFECTS ON BREAST IN NEONATAL PERIOD	91,200



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RESEARCH CONTRACTSDOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1		91,200
CITY TOTAL	1		91,200
CALIFORNIA			
STANFORD			
STANFORD UNIVERSITY			
CB74094-00	MISFELDT, DAYTON S	GROWTH/PASSAGE OF MAMMARY EPITHELIAL CELLS IN CULTURE	63,500
CB74086-00	SUSSMAN, HOWARD H	BIOLOGIC MARKERS IN BREAST CANCER PATIENTS	111,400
INSTITUTION TOTAL	2		174,900
CITY TOTAL	2		174,900
STATE TOTAL	6		477,800
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
CB74089-00	LINDQUIST, RICHARD R	EFFECT OF MAMMARY CANCER CELLS ON VASCULAR ENDOTHELIUM	84,200
INSTITUTION TOTAL	1		84,200
CITY TOTAL	1		84,200
STATE TOTAL	1		84,200
DIST OF COL			
WASHINGTON			
EBON RESEARCH SYSTEMS			
CB74210-00	HORN, WILLIAM	STATISTICAL SUPPORT FOR NCI SERUM PANEL	49,832
INSTITUTION TOTAL	1		49,832
NATIONAL ACADEMY OF SCIENCES			
RR72114-00	GROGAN, EARL	NATIONAL SURVEY OF ANIMAL FACILITIES AND RESOURCES	125,000
INSTITUTION TOTAL	1		125,000
VETERANS ADMINISTRATION HOSPITAL			
AI-72526-00	BARBOUR, LARRY L	ESTABLISH AND MAINTAIN AN ANIMAL HOLDING FACILITY	142,215
INSTITUTION TOTAL	1		142,215
CITY TOTAL	3		317,047
STATE TOTAL	3		317,047

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
FLORIDA			
PORT LAUDERDALE			
LEO GOODWIN INSTITUTE FOR CANCER RESEARCH			
CH77165-00	WARREN, JOEL	OPERATE A PRIMARY GENETIC CENTER FOR GERMFREE RODENTS	457,920
INSTITUTION TOTAL	1	457,920	
CITY TOTAL	1	457,920	
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
DE72404-00	LOTZKAR, STANLEY	USE OF MOUTHRINSE ON DENTAL CARIES PREVENTION	75,746
INSTITUTION TOTAL	1	75,746	
CITY TOTAL	1	75,746	
MIAMI			
UNIVERSITY OF MIAMI			
AM72224-00	PEREZ, GUIDO O	SERUM CHOLESTEROL BINDING RESERVE IN UREMIA	15,000
INSTITUTION TOTAL	1	15,000	
CITY TOTAL	1	15,000	
STATE TOTAL	3	548,666	
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
CE71034-00	JONES, HENRY E	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	123,469
CB74101-00	PREEDY, JOHN R	ENDOCRINE EVENTS AT THE TIME OF FIRST PREGNANCY	114,650
INSTITUTION TOTAL	2	238,119	
CITY TOTAL	2	238,119	
STATE TOTAL	2	238,119	
HAWAII			
HONOLULU			
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA			
CN75399-00	PIETTE, LAWRENCE	COMMUNITY BASED CANCER CONTROL PROGRAM	129,500
INSTITUTION TOTAL	1	129,500	
CITY TOTAL	1	129,500	

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DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	1	129,500	
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
DE72406-00	NEWMAN, RICHARD W	PRODUCTION OF SPECIFIC ANTISERA	63,346
INSTITUTION TOTAL	1	63,346	
CITY TOTAL	1	63,346	
STATE TOTAL	1	63,346	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
CB74170-00	AURELIAN, LAURE	IMMUNOLOGICAL MARKERS APPLICABLE TO CYTOLOGY AUTOMATION	75,000
INSTITUTION TOTAL	1	75,000	
CITY TOTAL	1	75,000	
BETHESDA			
WHITTAKER CORPORATION--MICROBIOLOGICAL ASSOCIATES			
NS72362-00	KOHNE, DAVID	VIRUS DETECTION IN DISEASED CENTRAL NERVOUS SYSTEM	99,000
INSTITUTION TOTAL	1	99,000	
CITY TOTAL	1	99,000	
GAITHERSBURG			
GEOMET, INC.			
CP71045-00	POCINKI, LEON S	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	123,870
INSTITUTION TOTAL	1	123,870	
INFORMATION PLANNING ASSOCIATES			
CO75388-00	WILLIAMS, WILLIAM L	ASSEMBLY AND DISTRIBUTION OF COMMITTEE BOOKS	89,701
INSTITUTION TOTAL	1	89,701	
CITY TOTAL	2	213,571	
KENSINGTON			
LITTON INDUSTRIES--LITTON BIONETICS			
DE72405-00	MARTIN, DAVID P	SJOGREN'S SYNDROME, APHTHOUS ULCERS & BEHCET'S SYNDROME	28,334

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CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	28,334	
CITY TOTAL	1	28,334	
MARYLAND			
ROCKVILLE			
TRACOR, INC.--TRACOR	JITCO	CATALOGING BACKLOG AT NLM	39,950
LM74712-00	THOMAS, BURNES B, JR		
INSTITUTION TOTAL	1	39,950	
CITY TOTAL	1	39,950	
STATE TOTAL	6	455,855	
MASSACHUSETTS			
LOWELL			
UNIVERSITY OF LOWELL	BRUCE, JOHN I	SUPPLY SCHISTOSOME INFECTED SNAILS AND MAMMALS	112,795
AI72524-00			
INSTITUTION TOTAL	1	112,795	
CITY TOTAL	1	112,795	
NATICK			
CONTROL LOGIC	ESSERIAN, A JOHN	OPTICAL BAR CODE SCANNING SYSTEM	98,500
GM72116-00			
INSTITUTION TOTAL	1	98,500	
CITY TOTAL	1	98,500	
STATE TOTAL	2	211,295	
MICHIGAN			
DETROIT			
MICHIGAN CANCER FOUNDATION	RICH, MARVIN A	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	87,190
CP71040-00			
INSTITUTION TOTAL	1	87,190	
CITY TOTAL	1	87,190	
STATE TOTAL	1	87,190	

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CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>MINNESOTA</b>			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
CP71043-00	SCHUMAN, LEONARD M	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	20,855
INSTITUTION TOTAL	1	20,855	
CITY TOTAL	1	20,855	
STATE TOTAL	1	20,855	
<b>MISSOURI</b>			
COLUMBIA			
UNIVERSITY OF MISSOURI-COLUMBIA			
AM72217-00	MILLER, FREDERICK N	EFFECTS OF PERITONEAL DIALYSIS ON MICROCIRCULATION	54,625
INSTITUTION TOTAL	1	54,625	
CITY TOTAL	1	54,625	
STATE TOTAL	1	54,625	
<b>NEW MEXICO</b>			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
CP71036-00	KEY, CHARLES R	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	55,785
INSTITUTION TOTAL	1	55,785	
CITY TOTAL	1	55,785	
STATE TOTAL	1	55,785	
<b>NEW YORK</b>			
ALBANY			
UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE			
CB74107-00	GOODMAN, A DAVID	RELATION OF THYROID FUNCTION TO MAMMARY TUMOR GROWTH	34,200
INSTITUTION TOTAL	1	34,200	
CITY TOTAL	1	34,200	
<b>BUFFALO</b>			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CM77118-00	PAPAHADJOPOULOS, D P	LIPOSOMAL ENCAPSULATION OF ANTITUMOR AGENTS	163,348
INSTITUTION TOTAL	1	163,348	



NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	163,348	
NEW YORK			
FARMINGDALE			
ARTEK SYSTEMS CORPORATION			
CM77128-00	KITCHENER, WILLIAM R	T V CELL SCANNING AND DISPLAY SYSTEMS	142,533
INSTITUTION TOTAL	1	142,533	
CITY TOTAL	1	142,533	
NEW YORK			
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
CB74206-00	SCHWARTZ, MORTON K	BIOLOGIC MARKERS IN BREAST CANCER PATIENTS	97,300
INSTITUTION TOTAL	1	97,300	
MEMORIAL SLOAN-KETTERING CANCER CENTER			
CB74097-00	ROSEN, PAUL P	DISSEMINATED CANCER IN INVASIVE MAMMARY CARCINOMA	70,031
INSTITUTION TOTAL	1	70,031	
CITY TOTAL	2	167,331	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
CB74204-00	HILF, RUSSELL	STUDY METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	72,600
INSTITUTION TOTAL	1	72,600	
CITY TOTAL	1	72,600	
STATE TOTAL	6	580,012	
NORTH CAROLINA			
DURHAM			
DUKE UNIVERSITY			
HD72804-00	PIZZO, SALVATORE V	ORAL CONTRACEPTIVES, ANTITHROBIN III, AND FIBRINOLYSIS	48,721
INSTITUTION TOTAL	1	48,721	
CITY TOTAL	1	48,721	
STATE TOTAL	1	48,721	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>OHIO</b>			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
DE72403-00	CAPLAN, ARNOLD I	PREPARE CULTURES OF EMBRYONIC CHICK LIMB CHONDROCYTES	26,113
INSTITUTION TOTAL	1	26,113	
CITY TOTAL	1	26,113	
STATE TOTAL	1	26,113	
<b>PENNSYLVANIA</b>			
PHILADELPHIA			
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA			
CO75387-00	KLEINSTEIN, BRUCE	INDEXING OF CANCER-RELATED LITERATURE	504,481
INSTITUTION TOTAL	1	504,481	
<b>UNIVERSITY OF PENNSYLVANIA</b>			
CB74108-00	LEBOY, PHOEBE S	METHYLATION OF TPNA IN NORMAL NEOPLASTIC MAMMARY TISSUE	99,100
INSTITUTION TOTAL	1	99,100	
CITY TOTAL	2	603,581	
<b>UNIVERSITY PARK</b>			
PENNSYLVANIA STATE UNIVERSITY			
CB74171-00	DOCHERTY, JOHN J	IMMUNOLOGICAL MARKERS APPLICABLE TO CYTOLOGY AUTOMATION	105,825
INSTITUTION TOTAL	1	105,825	
CITY TOTAL	1	105,825	
STATE TOTAL	3	709,406	
<b>TENNESSEE</b>			
NASHVILLE			
VANDERBILT UNIVERSITY			
CB74098-00	PAGE, DAVID L	RISK IN DIAGNOSIS OF NON-INVASIVE MAMMARY CARCINOMA	99,500
INSTITUTION TOTAL	1	99,500	
CITY TOTAL	1	99,500	
STATE TOTAL	1	99,500	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>TEXAS</b>			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
DE72400-00	PEAVY, DUANE L	APHTHOUS STOMATITIS AND BEHCET'S SYNDROME	60,196
INSTITUTION TOTAL	1		60,196
CITY TOTAL	1		60,196
<b>SAN ANTONIO</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO			
CB74205-00	LIVINGSTON, ROBERT B	STUDY METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	54,100
INSTITUTION TOTAL	1		54,100
CITY TOTAL	1		54,100
STATE TOTAL	2		114,296
<b>UTAH</b>			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CP71039-00	LYON, JOSEPH L	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	34,060
INSTITUTION TOTAL	1		34,060
CITY TOTAL	1		34,060
STATE TOTAL	1		34,060
<b>WEST VIRGINIA</b>			
MORGANTOWN			
WEST VIRGINIA UNIVERSITY			
LM74710-00	MURPHY, ROBERT	LOCAL ACCESS TO BIOMEDICAL INFORMATION IN WEST VIRGINIA	14,837
INSTITUTION TOTAL	1		14,837
CITY TOTAL	1		14,837
STATE TOTAL	1		14,837
<b>AUSTRIA</b>			
SALZBURG			
AUSTRIAN ACADEMY OF SCIENCES--INSTITUTE FOR MOLECULAR BIOLOGY			
CB74109-00	WIRL, GERHARD	STUDIES OF INFLUENCE OF MAMMARY CARCINOMA ON COLLAGEN	41,600
INSTITUTION TOTAL	1		41,600

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
CITY TOTAL	1	41,600	
STATE TOTAL	1	41,600	
JAPAN			
TOKYO			
JAPANESE FOUNDATION FOR CANCER RESEARCH			
CP71032-00	IKAWA, YOJI	SUPPLY ASIATIC RODENT AND PRIMATE MATERIALS	48,193
INSTITUTION TOTAL	1	48,193	
CITY TOTAL	1	48,193	
STATE TOTAL	1	48,193	
TOTAL	49	4,755,876	

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>CALIFORNIA</b>			
<b>SAN FRANCISCO</b>			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
GM07449-01A1	HALL, ZACH W	NEUROBIOLOGY	
INSTITUTION TOTAL	1		43,288
CITY TOTAL	1		43,288
STATE TOTAL	1		43,288
<b>COLORADO</b>			
<b>DENVER</b>			
UNIVERSITY OF COLORADO MEDICAL CENTER			
GM07342-01	SAUERBIER, WALTER	HUMAN GENETICS	
INSTITUTION TOTAL	1		30,044
CITY TOTAL	1		30,044
<b>FORT COLLINS</b>			
COLORADO STATE UNIVERSITY			
HD07031-01A1	NISWENDER, GORDON D	MAMMALIAN REPRODUCTIVE BIOLOGY	
INSTITUTION TOTAL	1		58,063
CITY TOTAL	1		58,063
STATE TOTAL	2		88,107
<b>MASSACHUSETTS</b>			
<b>WALTHAM</b>			
BRANDEIS UNIVERSITY			
AM07251-01	JENCKS, WILLIAM P	BASIC BIOMEDICAL RESEARCH AWARD	
INSTITUTION TOTAL	1		39,057
CITY TOTAL	1		39,057
STATE TOTAL	1		39,057
<b>MINNESOTA</b>			
<b>MINNEAPOLIS</b>			
UNIVERSITY OF MINNESOTA			
AM07203-01	OPPENHEIMER, JACK H	DIABETES, ENOCFINOLOGY, AND METABOLISM	
INSTITUTION TOTAL	1		60,916



NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
CITY TOTAL	1	60,916	
STATE TOTAL	1	60,916	
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON GM07348-01	HUITRIC, ALAIN C	PHARMACOKINETICS AND BIOTRANSFORMATION	23,003
INSTITUTION TOTAL	1	23,003	
CITY TOTAL	1	23,003	
STATE TOTAL	1	23,003	
TOTAL	6	254,371	23,003

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>CALIFORNIA</b>			
BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM06222-01	RICKOLL, WAYNE L	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DAVIS</b>			
UNIVERSITY OF CALIFORNIA AT DAVIS			
HD05522-01	CULBERTSON, MARION R, JR	DEVELOPMENTAL BIOLOGY	F32
GM06298-01	THORGAARD, GRAY H	GENETICS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
<b>LA JOLLA</b>			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
CA05992-01	NORMAN, RICHARD L	CANCER PREVENTION AND CONTROL	F32
INSTITUTION TOTAL	1		
<b>UNIVERSITY OF CALIFORNIA AT SAN DIEGO</b>			
GM06314-01	FUHRMAN, SHELLA A	MOLECULAR BIOLOGY	F32
AM05404-01	RITCHIE, DAVID G	METABOLIC DISEASES	F32
INSTITUTION TOTAL	2		
CITY TOTAL	3		
<b>LOS ANGELES</b>			
UNIVERSITY OF SOUTHERN CALIFORNIA			
AM05754-01	GOLDSTEIN, DAVID A	RENAL DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>SAN FRANCISCO</b>			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
EY05232-01	HANSEN, BERTLE D, III	PHYSICAL BIOCHEMISTRY	F32
EY05224-01	HWANG, SAN-LAO	BIOPHYSICS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
GM06237-01	NOVAK, MICHAEL	PHYSICAL CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	10		
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO AT BOULDER			
GM06365-01	SINGER, BRITTA S	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
AI05593-01	MILLER, STEPHEN D	IMMUNOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PORT COLLINS			
COLORADO STATE UNIVERSITY			
HD05537-01	CHEN, THOMAS T	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY			
TW00188-01	KOHN, ERNEST I	OBSTETRICS AND GYNECOLOGY	F06
GM06197-01	TIFFORD, ANNE HOLLINS	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL 2			
FLORIDA			
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
SILVERMAN, DAVID N			
ENZYME/METABOLISM BIOCHEMISTRY			
F06			
TH00169-01			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
GEORGIA			
ATLANTA			
EMORY UNIVERSITY			
BROGAN, DONNA R			
PUBLIC HEALTH STATISTICS			
F06			
TH00193-01			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO			
COLLINS, MYRA L			
G05876-01A1			
KOZIARZ, JAMES J			
G06369-01			
RUSSELL, JOHN			
H05548-01			
CHEMISTRY			
PHYSICAL BIOCHEMISTRY			
ENDOCRINE PHYSIOLOGY			
F32			
F32			
F32			
INSTITUTION TOTAL 3			
CITY TOTAL 3			
EVANSTON			
NORTHWESTERN UNIVERSITY			
MOORE, RUTH T			
H05561-01			
REPRODUCTIVE PHYSIOLOGY			
F32			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
MC KEON, THOMAS A			
AG05083-01			
BIOCHEMISTRY			
F32			

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
ILLINOIS			
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
AI05591-01	MOSBERG, HENRY I	MICROBIAL PHYSIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	6		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA		CELL BIOLOGY	F32
AI05646-01	ABBAS, MOHAMMED K		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY		CHEMISTRY	F32
AI05627-01	LASSWELL, WILLIAM L, JR		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY		DEVELOPMENTAL GENETICS	F32
GM06318-01	STRAUSBAUGH, LINDA D		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH		GROSS/PHYSICAL ANTHROPOLOGY	F15
TW00192-01	ERANKO, OLAVI		



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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MARYLAND			
BETHESDA			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--		NATIONAL INSTITUTES OF HEALTH	
TW00188-01	RENALD, ALBERT E	DIABETES	F15
TW00187-01	ROCHA E SILVA, MAURICIO	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F15
TW00185-01	SCHACHMAN, HOWARD K	PHYSICAL BIOCHEMISTRY	F15
TW00184-01	SCHRAMM, MICHAEL	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	F15
INSTITUTION TOTAL	5		
CITY TOTAL	5		
STATE TOTAL	6		
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
GM06265-01	DIX, JAMES A	PHYSICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
VETERANS ADMINISTRATION OUTPATIENT CLINIC			
AG05098-01	HINES, TERENCE M	PSYCHOLOGY OF GERONTOLOGY AND GERIATRICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
CAMBRIDGE			
HARVARD UNIVERSITY			
AI05604-01	ENGELHARD, VICTOR H	IMMUNOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
HD05546-01	MADDOCK, MICHAEL B	GROWTH AND DEVELOPMENT	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
WALTHAM			
BRANDEIS UNIVERSITY			
AI05530-01	BROWN, ALAN R	IMMUNOCHEMISTRY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
INSTITUTION TOTAL	1		
CITY TOTAL	1		
MASSACHUSETTS			
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER			
CA06222-01	WARD, THOMAS E	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	6		
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
HD05558-01	CAMPBELL, KENNETH L	REPRODUCTIVE PHYSIOLOGY	F32
AI05625-01	KENNY, JAMES J	IMMUNOLOGY	F32
HD05543-01	SHARP, MARCIA J	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
MINNESOTA			
SAINT PAUL			
UNIVERSITY OF MINNESOTA			
ES05091-01	CHEH, ALBERT M	TOXICOLOGY/PHARMACODYNAMICS	F32
GM06337-01	CHOW, PETER P	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
NEW YORK			
ITHACA			
CORNELL UNIVERSITY			
GM06164-01	ANDERSON, JANET	MOLECULAR BIOLOGY	F32

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>NEW YORK</b>			
ITHACA			
CORNELL UNIVERSITY			
A10585-01	CZARNY, MICHAEL R	ORGANIC SYNTHESIS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
<b>NEW YORK</b>			
CORNELL UNIVERSITY MEDICAL CENTER			
AG05099-01	BROWN, WILLIAM T	MOLECULAR BIOLOGY	F32
A105538-01	KNOWLES, ROBERT W	IMMUNOCHEMISTRY	F32
AG05093-01	MOODY, CHARLES E, JR	IMMUNOLOGY	F32
INSTITUTION TOTAL	3		
<b>NEW YORK MEDICAL COLLEGE</b>			
TW00173-01A1	HERMAN, LAWRENCE	BIOCHEMISTRY	F06
INSTITUTION TOTAL	1		
<b>ROCKEFELLER UNIVERSITY</b>			
GM05836-01	FORD, JOHN P	BIOCHEMISTRY	F32
AM05489-01	GARNER, WILLIAM H	BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	6		
STATE TOTAL	8		
<b>NORTH CAROLINA</b>			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
HD05541-01	NIJHOUT, NARY M	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DURHAM</b>			
DUKE UNIVERSITY			
GM05822-01	GRANT, DAVID M	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL 2			
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
TW00150-01	SANTEN, RICHARD J	ENDOCRINOLOGY	F06
INSTITUTION TOTAL 1			
CITY TOTAL 1			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
HD05521-01	OTTO, JOANN J	CELL DIVISION	F32
TW00184-01	SLOVITER, HENRY A	BIOCHEMISTRY	F06
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 3			
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
TW00181-01	CALVIN, WILLIAM H	NEURO/MUSCULAR PHYSIOLOGY	F06
GM05627-01a1	ROSELAND, CRAIG R	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
AI05535-01	WHITE, THOMAS J	INFECTIOUS DISEASES	F32
HD05533-01	WHITINGTON, PETER F	PEDIATRICS	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			

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RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
UNITED KINGDOM			
LONDON			
MEDICAL RESEARCH COUNCIL			
GM05796-01	BENNETT, WILLIAM F	NUCLEIC ACID BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	60		



NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CALIFORNIA DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS A100193-01 H100282-01	GERSHWIN, M ERIC WIKMAN-COFFELT, JOAN	THE PATHOGENESIS OF AUTOIMMUNITY IN NEW ZEALAND MICE CONTRACTILE PROTEINS IN ISCHEMIA	K04 K04
INSTITUTION TOTAL CITY TOTAL	2 2		
LA JOLLA SCRIPPS CLINIC AND RESEARCH FOUNDATION A100248-01	ZINKERNAGEL, ROLF M	STUDIES OF RECEPTORS OF VIRUS IMMUNE T CELLS	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
LOS ANGELES UNIVERSITY OF CALIFORNIA AT LOS ANGELES NS00294-01	JENKINS, HERMAN A	OPTOKINETIC AND VESTIBULAR INTERACTIONS	K07
INSTITUTION TOTAL CITY TOTAL	1 1		
PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY NS00272-01	LESTER, HENRY A	NICOTINIC SYNAPSES	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO HL00360-01 GM00322-01 AM00323-01	LIPTON, MARTIN J ROSEN, STEVEN D SCHARSCHMIDT, BRUCE P	CARDIAC RECONSTRUCTION USING COMPUTERIZED TOMOGRAPHY BIOCHEMISTRY OF CELL ADHESION MECHANISM OF EILE FORMATION AND ORGANIC ANION EXCRETION	K04 K04 K04
INSTITUTION TOTAL CITY TOTAL	3 3		
STATE TOTAL	8		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
<b>COLORADO</b>			
<b>BOULDER</b>			
UNIVERSITY OF COLORADO AT BOULDER			
GM00372-01	HALLICK, RICHARD B	GENE EXPRESSION IN ORGANELLES DURING CELL DEVELOPMENT	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DENVER</b>			
<b>UNIVERSITY OF COLORADO MEDICAL CENTER</b>			
HD00214-01	GAENSBauer, THEODORE J	REGULATION OF AFFECT EXPRESSION IN INFANCY	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
<b>FLORIDA</b>			
<b>GAINESVILLE</b>			
<b>STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA</b>			
AM00303-01	DUNN, BEN M	CONTROL OF PEPSIN BY ACTIVATION PEPTIDE ANALOGS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>IOWA</b>			
<b>IOWA CITY</b>			
<b>UNIVERSITY OF IOWA</b>			
HD00155-01	ERENBERG, ALLEN P	THYROID HORMONES AND THE FETAL AND NEONATAL LUNG	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
<b>BOSTON UNIVERSITY</b>			
AG00016-01	FELDMAN, MARTIN L	NEURONAL AGING IN THE AUDITORY AND VISUAL SYSTEMS	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
<b>MASSACHUSETTS</b>			
BOSTON			
CHILDREN'S HOSPITAL	MEDICAL CENTER		
HD00221-01	FOX, THOMAS O	STERIOD RECEPTOR MECHANISMS IN DEVELOPING MOUSE BRAIN	K04
INSTITUTION TOTAL	1		
<b>HARVARD UNIVERSITY</b>			
AI00233-01	MARTZ, ERIC	T LYMPHOCYTE DIFFERENTIATION AND EFFECTOR FUNCTION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	3		
<b>CAMBRIDGE</b>			
HARVARD UNIVERSITY			
HD00220-01	KESSIN, RICHARD H	CONTROL OF AGGREGATION IN D. DISCOIDEUM	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
<b>NEW JERSEY</b>			
NEW BRUNSWICK			
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK			
GM00281-01	PIECZENIK, GEORGE	GENOTYPIC SELECTION: SYNTAX AND STRUCTURE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>NEW YORK</b>			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
AI00249-01	SMITH-WRIGHT, MOYRA	CONTROL OF IMMUNOGLOBULIN SYNTHESIS IN CELL HYBRIDS	K04
INSTITUTION TOTAL	1		
<b>COLUMBIA UNIVERSITY</b>			
NS00292-01	KHANNA, SHYAM M	PERIPHERAL AUDITORY FUNCTION	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY			
HD00189-01	BEERS, WILLIAM H	THE ROLE OF PLASMINOGEN ACTIVATOR IN OVULATION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	3		
STATE TOTAL	3		
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
HL00436-01	GIL, JOAN	PINOCTOTIC VESICLES AND PULMONARY EDEMA	K04
GM00318-01	OWEN, CHARLES S	BIOPHYSICAL PROBES OF IMMUNE RESPONSE & HEMEPROTEINS	K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY			
EY00061-01	CASAGRANDE, VIVIEN A	EFFECTS OF VISUAL DEPRIVATION IN PRIMATES	K07
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
AM00331-01	MC KELVY, JEFFERY P	CONTROL OF HYPOTHALAMIC PELEASING FACTOR METABOLISM	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
EY00123-01	LAM, DOMINIC M K	SYNAPTIC CHEMISTRY IN THE VISUAL SYSTEM	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CITY TOTAL	1		
STATE TOTAL	2		
VIRGINIA			
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY			
AM00336-01	LITTMAN, BRUCE H	REGULATION OF CELLULAR COOPERATION BY SOLUBLE FACTORS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
HL00438-01	OLSON, E B, JR	METABOLISM IN PERFUSED FETAL & NEWBORN RABBIT LUNGS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	27		

NIH  
MEDICAL LIBRARY GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
 GEORGIA			
MACON			
MERCER UNIVERSITY			
LM03090-01	RANKIN, JOCELYN A	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT	21,000
 INSTITUTION TOTAL			
	1	21,000	
CITY TOTAL			
	1	21,000	
STATE TOTAL			
	1	21,000	
 MAINE			
LEWISTON			
ST. MARY'S GENERAL HOSPITAL			
LM02947-01	ROUX, SISTER AURORE	HEALTH SCIENCE LIBRARY PROJECT	9,945
 INSTITUTION TOTAL			
	1	9,945	
CITY TOTAL			
	1	9,945	
STATE TOTAL			
	1	9,945	
TOTAL			
	2	30,945	





NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>ALABAMA</b>			
<b>BIRMINGHAM</b>			
<b>UNIVERSITY OF ALABAMA IN BIRMINGHAM</b>			
AM20674-01	BENNETT, J CLAUDE	MULTIPURPOSE ARTHRITIS CENTER	158,617
AM21065-01	CLEMENTS, REX S, JR	PHOSPHATIDYLINOSITOL METABOLISM AND INSULIN SECRETION	41,846
ES01306-01A1	CONRAD, MARCEL E	LEAD ABSORPTION, EXCRETION, AND METABOLISM	43,094
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	3		
<b>ARIZONA</b>			
<b>TUCSON</b>			
<b>UNIVERSITY OF ARIZONA</b>			
CA19477-01A1	BOONE, MAX L	ANALOG TISSUE DENSITOMETER FOR CANCER RADIOTHERAPY	61,726
AM20597-01	BOYER, JOHN T	SOUTHWEST ARTHRITIS CENTER	118,000
AM21085-01	HRUBY, VICTOR J	GLUCAGON STRUCTURE-FUNCTION STUDIES	31,181
HL20984-01	MORKIN, EUGENE	CELLULAR MECHANISMS IN CARDIAC HYPERTROPHY	348,275
INSTITUTION TOTAL	4		
CITY TOTAL	4		
STATE TOTAL	4		
<b>CALIFORNIA</b>			
<b>BERKELEY</b>			
<b>UNIVERSITY OF CALIFORNIA AT BERKELEY</b>			
HD11272-01	KING, JANET C	ZINC REQUIREMENTS OF PREGNANT WOMEN	58,261
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DAVIS</b>			
<b>UNIVERSITY OF CALIFORNIA AT DAVIS</b>			
AM20872-01	MACY, JOAN M	INFLUENCE OF DIETARY FIBER ON RAT INTESTINAL BACTERIA	51,776
AM21019-01	WALSH, DONAL A	A PROTEIN INHIBITOR OF PROTEIN KINASES	49,373
INSTITUTION TOTAL	2		
CITY TOTAL	2		

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA DUARTE CITY OF HOPE MEDICAL CENTER CA22108-01	RUOSLAHTI, ERKKI I	FIBROBLAST SURFACE ANTIGEN	42,062
INSTITUTION TOTAL	1	42,062	
CITY TOTAL	1	42,062	42,062
LA JOLLA SALK INSTITUTE FOR BIOLOGICAL STUDIES AM20917-01	VALE, WYLIE W	SOMATOSTATIN: PHYSIOLOGY AND APPLICATION TO DIABETES	115,200
INSTITUTION TOTAL	1	115,200	
SCRIPPS CLINIC AND RESEARCH FOUNDATION AM21290-01	LEWIS, URBAN J	MEMBRANE & METABOLIC STUDIES OF DIABETOGENIC FACTORS	78,963
INSTITUTION TOTAL	1	78,963	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO NS13898-01 BOND, CLIFFORD W HD10622-01A1 GLUCK, LOUIS L AM20745-01 ORLOFF, MARSHALL J CA22227-01 SELL, STEWART		MOLECULAR CHARACTERIZATION OF A NEUROTROPIC CORONAVIRUS SURFACTANT: BIOCHEMICAL DEVELOPMENT AND STABILIZATION STUDIES OF PANCREAS TRANSPLANTATION IN DIABETES ONCO-DEVELOPMENTAL GENE CONTROL: ALPHA-FETOPROTEIN	37,590 122,761 124,296 53,608
INSTITUTION TOTAL	4	338,255	
CITY TOTAL	6	532,418	
LOS ANGELES CEDARS-SINAI MEDICAL CENTER NS13442-01	BARKLEY, DAVID S	IMMUNE RESPONSES IN HUNTINGTON'S DISEASE	59,000
INSTITUTION TOTAL	1	59,000	
UNIVERSITY OF CALIFORNIA AT LOS ANGELES AM20827-01 MULLEN, YOKO S GM23915-01 TOOHEY, JOHN I AG00990-01 TYAN, MARVIN L		IMMUNE ASPECTS IN FETAL PANCREAS ALLOGRAFTS SULFHYDRYL AND ALKYLTHIO COMPOUNDS IN CELL DIVISION AGE-RELATED CHANGES IN PRECURSORS OF T- AND B-CELLS	32,725 35,028 45,999
INSTITUTION TOTAL	3	113,752	
UNIVERSITY OF SOUTHERN CALIFORNIA HL21032-01	CRAWFORD, DONALD W	INJURY, WALL THICKNESS, AND ARTERIAL WALL OXYGENATION	43,223

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>CALIFORNIA</b>			
<b>LOS ANGELES</b>			
UNIVERSITY OF SOUTHERN CALIFORNIA			
HL20979-01	RADER, ROLAND D	A NOVEL PULSED DOPPLER FLOWMETER	24,575
CA21494-01	SHIH, JEAN C	MULTIPLE FORMS (ISOZYMES) OF PHENYLALANINE TRANSAMINASE	23,115
EY02043-01	SMITH, RONALD E	EFFECTS OF INTRAOCULAR LENSES ON CORNEAL ENDOTHELIAL	34,162
AG00631-01	VAN ARSDOL, MAURICE D, JR	THE OLDER POPULATION OF THE UNITED STATES	17,575
INSTITUTION TOTAL	5	142,650	
CITY TOTAL	9	315,402	
<b>PALO ALTO</b>			
NORTHERN CALIFORNIA CANCER PROGRAM, INC.			
CA21744-01	CARTER, STEPHEN K	NORTHERN CALIFORNIA ONCOLOGY GROUP	400,009
INSTITUTION TOTAL	1	400,009	
CITY TOTAL	1	400,009	
<b>SAN DIEGO</b>			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--SAN DIEGO STATE UNIVERSITY			
CA21254-01	SPINETTA, JOHN J	ADJUSTMENT AND ADAPTATION IN CHILDREN WITH CANCER	151,645
INSTITUTION TOTAL	1	151,645	
CITY TOTAL	1	151,645	
<b>SAN FRANCISCO</b>			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
HD11109-01	CHARLTON, VALERIE E	PETAL NUTRITION VIA THE GASTROINTESTINAL TRACT	67,078
AG00991-01	DAUPHINEE, MICHAEL J	THYMOSIN DEFICIENCY IN CANCER, AGING AND AUTOIMMUNITY	37,166
AM20684-01	ENGLEMAN, EPHRAIM P	MULTIPURPOSE ARTHRITIS CENTER	200,000
CA21439-01	PHILLIPS, THEODORE L	RADIATION THERAPY ONCOLOGY GROUP	22,165
AM21344-01	BUTTER, WILLIAM J	DIFFERENTIATION IN THE ENDOCRINE AND EXOCRINE PANCREAS	90,407
AG00357-01a1	SCHMUCKER, DOUGLAS L	AGING EFFECTS ON HEPATIC STRUCTURE AND FUNCTION	42,593
AM21301-01	SPENCER, E MARTIN	THE REGULATION OF SOMATOMEDIN SYNTHESIS BY INSULIN	73,933
INSTITUTION TOTAL	7	533,342	
CITY TOTAL	7	533,342	
<b>SANTA BARBARA</b>			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
EY02052-01	JACOBS, GERALD H	WITHIN-SPECIES VARIATIONS IN VISUAL CAPACITY	39,922

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>CALIFORNIA</b>			
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA			
CA21144-01	LITTLE, R DANIEL	1,3-DIYL TRAPPING REACTIONS IN ORGANIC SYNTHESIS	24,549
INSTITUTION TOTAL	2	64,471	
CITY TOTAL	2	64,471	
<b>SANTA CRUZ</b>			
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ			
AM21104-01	DICE, JAMES F, JR	PROTEIN DEGRADATION IN DIABETES AND STARVATION	95,716
INSTITUTION TOTAL	1	95,716	
CITY TOTAL	1	95,716	
<b>STANFORD</b>			
STANFORD UNIVERSITY			
RR01086-01	ANGELL, JAMES B	RESOURCE FOR SILICON BIOMEDICAL TRANSDUCERS	172,705
AM20610-01	HOLMAN, HALSTED R	MULTIPURPOSE ARTHRITIS CENTER	118,770
AM20993-01	OLEFSKY, JERROLD M	PLASMA INSULIN LEVELS AND ADIPOCTIVE METABOLISM	33,153
INSTITUTION TOTAL	3	324,628	
CITY TOTAL	3	324,628	
STATE TOTAL	34	2,619,103	
<b>COLORADO</b>			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
AM21245-01	MARTINEZ-HERNANDEZ, ANTONIO	THE BASEMENT MEMBRANE IN DIABETES	20,000
INSTITUTION TOTAL	1	20,000	
CITY TOTAL	1	20,000	
STATE TOTAL	1	20,000	
<b>CONNECTICUT</b>			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
AM21309-01	ROME, DAVID W	BIOCHEMICAL CHARACTERIZATION OF DIABETIC FIBROBLASTS	57,120
INSTITUTION TOTAL	1	57,120	
CITY TOTAL	1	57,120	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>CONNECTICUT</b>			
<b>NEW HAVEN</b>			
<b>YALE UNIVERSITY</b>			
GM23669-01	HUBBARD, ANN L	CELL SURFACE SIALOGLYCOPROTEINS	45,761
AM20570-01	RASHUSSEN, HOWARD	UROLITHIASIS CENTER	208,638
AM21158-01	SOMAN, VIJAY E	GLUCAGON AND INSULIN RECEPTORS IN GLUCOSE METABOLISM	34,270
AM20358-01	STEEBE, ALLEN C	LYME ARTHRITIS: A NEW EPIDEMIC DISEASE	187,204
INSTITUTION TOTAL	4	475,873	
CITY TOTAL	4	475,873	
<b>STORES</b>			
<b>UNIVERSITY OF CONNECTICUT</b>			
HD11158-01	ZERMAN, BETTY H	READING-LIKE BEHAVIOR IN NONREADING RETARDED ADULTS	28,582
INSTITUTION TOTAL	1	28,582	
CITY TOTAL	1	28,582	
STATE TOTAL	6	561,575	
<b>DIST OF COL</b>			
<b>WASHINGTON</b>			
<b>CHILDREN'S HOSPITAL NATIONAL MEDICAL CENTER</b>			
HD11652-01	GALIOTO, FRANK M, JR	INFANT LUNG AND HEART STUDY BY THE REBREATHING METHOD	27,414
INSTITUTION TOTAL	1	27,414	
<b>HOWARD UNIVERSITY</b>			
AM21050-01	ARCHER, JUANITA A	HUMAN FETAL ISLETS: PRESERVATION AND INSULIN RECEPTOR	47,810
INSTITUTION TOTAL	1	47,810	
CITY TOTAL	2	75,224	
STATE TOTAL	2	75,224	
<b>FLORIDA</b>			
<b>GAINESVILLE</b>			
<b>STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA</b>			
AM20586-01	FINLAYSON, BIRDWELL	UROLITHIASIS CENTER	219,189
INSTITUTION TOTAL	1	219,189	
CITY TOTAL	1	219,189	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>FLORIDA</b>			
<b>MIAMI</b>			
UNIVERSITY OF MIAMI			
AM20735-01	PENNELL, J PHILLIP	EFFECT OF ISLET IMPLANTS ON DIABETIC NEPHROPATHY	60,000
AM21213-01	SCOTT, WALTER A	PANCREATIC ISLET CELL TRANSFORMATION BY SV40 MUTANTS	40,569
INSTITUTION TOTAL	2	100,569	
CITY TOTAL	2	100,569	
STATE TOTAL	3	319,758	
<b>GEORGIA</b>			
<b>ATHENS</b>			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
AG00127-01	KOCHERT, GARY D	PROGRAMMED DEVELOPMENT AND SENESCENCE IN VOLVOX	34,142
INSTITUTION TOTAL	1	34,142	
CITY TOTAL	1	34,142	
<b>ATLANTA</b>			
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA STATE UNIVERSITY			
HD11209-01	BROWN, JOSEPHINE V	PREMATURITY, EARLY INTERACTION, AND SOCIAL COMPETENCE	78,841
INSTITUTION TOTAL	1	78,841	
CITY TOTAL	1	78,841	
STATE TOTAL	2	112,983	
<b>ILLINOIS</b>			
<b>CHICAGO</b>			
DEPAUL UNIVERSITY			
CA19758-01	YI, PON N	TUMOR HYPERTHERMIA: MEMBRANE POTENTIAL AND FLUIDITY	21,704
INSTITUTION TOTAL	1	21,704	
<b>IIT RESEARCH INSTITUTE</b>			
AM21030-01	KROTOSZYNSKI, BOGUSLAW K	DEVELOPMENT OF BIOCHEMICAL MARKERS FOR DIABETES MELLITUS	75,065
INSTITUTION TOTAL	1	75,065	
<b>ILLINOIS CANCER COUNCIL</b>			
CA21898-01	STEINER, JAN W	CANCER CENTER PATIENT DATA SYSTEM PROPOSAL	101,945

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ILLINOIS CHICAGO ILLINOIS CANCER COUNCIL CA21954-01	WARNECKE, RICHARD B	CANCER INFORMATION NEEDS IN ILLINOIS	128,451
INSTITUTION TOTAL	2	230,396	
MICHAEL REESE HOSPITAL AND MEDICAL CENTER AM20585-01 COE, FREDRIC L CA22037-01 COHEN, LIONEL HD10918-01 LIM, VICTORIA S		SPECIALIZED CENTER OF RESEARCH IN UROLITHIASIS RADIATION-INDUCED THYROID CANCER THE EFFECT OF UREMIA ON REPRODUCTIVE BIOLOGY	282,531 41,477 36,895
INSTITUTION TOTAL	3	360,903	
NORTHWESTERN UNIVERSITY HD11021-01 FREINKEL, NORBERT		DIABETES IN PREGNANCY	480,332
INSTITUTION TOTAL	1	480,332	
UNIVERSITY OF CHICAGO AM20756-01 RECKARD, CRAIG R AM20595-01 RUBENSTEIN, ARTHUR H		EFFECTS OF PANCREATIC ISLET TRANSPLANTATION DIABETES RESEARCH AND TRAINING CENTER	35,598 993,872
INSTITUTION TOTAL	2	1,029,470	
UNIVERSITY OF HEALTH SCIENCES AM21167-01 MARCUS, FRANK		CONTROL OF ENZYMES OF GLUCONEOGENESIS IN DIABETIC MICE	35,010
INSTITUTION TOTAL	1	35,010	
CITY TOTAL	11	2,232,880	
URBANA UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN CA20410-01 WEBER, MICHAEL J		MEMBRANE LIPIDS IN ROUS SARCOMA VIRUS INFECTION	37,013
INSTITUTION TOTAL	1	37,013	
CITY TOTAL	1	37,013	
STATE TOTAL	12	2,269,893	
INDIANA BLOOMINGTON INDIANA UNIVERSITY AT BLOOMINGTON AM21121-01 GURD, RUTH S		STRUCTURE-FUNCTION RELATIONSHIPS OF GLUCAGON	20,632
INSTITUTION TOTAL	1	20,632	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	20,632	
INDIANA			
INDIANAPOLIS			
AM20582-01	BRANDT, KENNETH D	MULTIPURPOSE ARTHRITIS CENTER	100,000
AM20542-01	CLARK, CHARLES M, JR	DIABETES RESEARCH AND TRAINING CENTER	513,873
AM21178-01	HARRIS, ROBERT A	HORMONAL CONTROL OF HEPATIC GLUCOSE AND FAT SYNTHESIS	39,960
AM21289-01	QUEENER, SHERRY I	MEMBRANE ENZYME FUNCTION IN DIABETIC KIDNEY	25,396
AM21102-01	ROBERTSON, GARY L	THIRST AND VASOPRESSIN SECRETION IN DIABETES MELLITUS	35,585
INSTITUTION TOTAL	5	714,814	
CITY TOTAL	5	714,814	
STATE TOTAL	6	735,446	
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA		REGULATION OF BRAIN DEVELOPMENT	49,549
HD11184-01	FELLOWS, ROBERT E	RADIOIMMUNOASSAY OF THE SOMATOMEDINS IN DIABETES	42,378
AM21084-01	GINSBERG, BARRY H		
INSTITUTION TOTAL	2	91,927	
CITY TOTAL	2	91,927	
STATE TOTAL	2	91,927	
KENTUCKY			
LEXINGTON			
EPHRAIM MC DOWELL COMMUNITY CANCER NETWORK		EXPLORATORY STUDIES IN ENVIRONMENTAL CANCER	88,000
CA19467-01A1	GOLDENBERG, DAVID M		
INSTITUTION TOTAL	1	88,000	
CITY TOTAL	1	88,000	
LOUISVILLE			
UNIVERSITY OF LOUISVILLE		POLYPOIDIZATION OF NORMAL AND DIABETIC-ISLETS	17,000
AM21120-01	SWARTZ, FRANK J		
INSTITUTION TOTAL	1	17,000	
CITY TOTAL	1	17,000	
STATE TOTAL	2	105,000	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
LOUISIANA			
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS	BIUNDO, JOSEPH J, JR	MULTIPURPOSE ARTHRITIS CENTER	90,000
AM21147-01			
INSTITUTION TOTAL	1	90,000	
CITY TOTAL	1	90,000	
STATE TOTAL	1	90,000	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY	BANG, FREDERIK B	INTRANASAL HOMEOSTASIS VIRUSES & POLLUTANT GASES	32,500
ES01477-01	GIBSON, D WADE	HERPES VIRUS PROTEIN SYNTHESIS AND VIRION ASSEMBLY	54,425
AI13718-01	HOCHHEIMER, BERNARD F	STUDIES OF ANGIOGRAPHIC DYES	40,545
EY01763-01a1	PATZ, ARNALL	DEVELOPMENT OF MICROANGIOPATHY IN JUVENILE DIABETES	90,260
AM20826-01	ROSEMAN, SAUL	STUDIES OF NORMAL AND MALIGNANT CELL MEMBRANES	226,414
CA21901-01	SYKES, ZENAS M	POST-PARTUM AMENORRHEA IN RURAL BANGLADESCH	26,565
HD11188-01			
INSTITUTION TOTAL	6	470,709	
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE			
NS13836-01	REIER, PAUL J	NEURON-GLIAL DYNAMICS DURING REGENERATION	35,918
INSTITUTION TOTAL	1	35,918	
CITY TOTAL	7	506,627	
COLLEGE PARK			
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS	ROWAN, ROBERT, III	NMR STUDIES ON MYELIN BASIC PROTEIN/LIPID INTERACTIONS	42,519
NS13934-01			
INSTITUTION TOTAL	1	42,519	
CITY TOTAL	1	42,519	
STATE TOTAL	8	549,146	
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS AT AMHERST	HEPLER, PETER K	CALCIUM FLUCTUATION AND LOCALIZATION DURING MITOSIS	70,700
GM25120-01	NORKIN, LEONARD C	DEFECTIVE VIRUS FROM SIMIAN VIRUS 40 CARRIER CULTURES	31,941
AI14049-01			
INSTITUTION TOTAL	2	102,641	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	2	102,641	
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS	CENTER--PETER BENT BRIGHAM HOSPITAL		
CA23645-01	SPEIZER, FRANK E	A PROSPECTIVE COHORT FOR RISKS IN BREAST CANCER	238,633
AM21094-01	STROM, TERRY B	INSULIN RECEPTOR LYMPHOCYTES: NATURE & SIGNIFICANCE	47,998
HL21381-01	TARGETMEYER, HEINRICH	AMINO ACID METABOLISM IN NORMAL AND HYPOXIC MYOCARDIUM	31,933
INSTITUTION TOTAL	3	318,564	
AFFILIATED HOSPITALS	CENTER--ROBERT BRECK BRIGHAM HOSPITAL		
AM20580-01	AUSTEN, K FRANK	MULTIPURPOSE ARTHRITIS CENTER	109,131
INSTITUTION TOTAL	1	109,131	
BETH ISRAEL HOSPITAL			
AM20302-01	STEER, MICHAEL L	PATHOPHYSIOLOGY OF ACUTE PANCREATITIS	34,451
INSTITUTION TOTAL	1	34,451	
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
AG00296-01	FUJIMORI, EIJI	AGE-RELATED CHANGES IN COLLAGEN AND HYALURONIC ACID	43,505
INSTITUTION TOTAL	1	43,505	
BOSTON UNIVERSITY			
AM20613-01	COHEN, ALAN S	MULTIPURPOSE ARTHRITIS CENTER	124,393
NS14033-01	ULLRICK, WILLIAM C	STUDIES ON THE Z-LINES OF TENOTOMIZED MUSCLE	49,274
INSTITUTION TOTAL	2	173,667	
CHILDREN'S HOSPITAL MEDICAL CENTER			
CA23503-01	EDELSON, PAUL J	MECHANISMS OF MACROPHAGE ANTITUMOR ACTIVATION	62,164
HL21428-01	ORKIN, STUART H	EXPRESSION OF HUMAN GLOBIN IN THALASSEMIA	15,460
INSTITUTION TOTAL	2	77,624	
HARVARD UNIVERSITY			
ES01507-01	HUBER, AGNES M	LEAD RETENTION IN RELATION TO NUTRIENT INTAKE	27,748
NS13921-01	MOORE-EDE, MARTIN C	NEURAL CONTROL OF CIRCADIAN BEHAVIOR AND PHYSIOLOGY	57,301
INSTITUTION TOTAL	2	85,049	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
JOSLIN DIABETES FOUNDATION			
AM21222-01	CHICK, WILLIAM L.	STUDIES TOWARDS DEVELOPMENT OF AN ARTIFICIAL PANCREAS	112,261
AM21111-01	ROSSINI, ALDO A	EXPERIMENTAL JUVENILE-TYPE DIABETES	46,452
INSTITUTION TOTAL	2		158,713
<b>MASSACHUSETTS EYE AND EAR INFIRMARY</b>			
NS13425-01	SCHUKNECHT, HAROLD F	VESTIBULAR ABLATION	13,760
INSTITUTION TOTAL	1		13,760
<b>MASSACHUSETTS GENERAL HOSPITAL</b>			
HL21751-01	POHOST, GERALD M	THALLIUM AND ANTIMYOSIN IN ISCHEMIA AND INFARCTION	129,485
INSTITUTION TOTAL	1		129,485
<b>TUFTS UNIVERSITY</b>			
AI44534-01A2	STOLLAR, BERNARD D	IMMUNOCHEMICAL BASIS FOR INDUCING TOLERANCE TO DNA	33,761
INSTITUTION TOTAL	1		33,761
<b>VETERANS ADMINISTRATION OUTPATIENT CLINIC</b>			
AG00738-01	POON, LEONARD W	AGE, IMAGERY, REWARD AND PRACTICE IN VERBAL LEARNING	11,900
INSTITUTION TOTAL	1		11,900
CITY TOTAL	18		1,189,610
<b>CAMBRIDGE</b>			
<b>HARVARD UNIVERSITY</b>			
HL21425-01	MC MAHON, THOMAS A	SERVO-SIMULATED COMPLIANCE CHANGES: A REVERSIBLE M.I.	35,413
GM24078-01	MILLER, KENNETH R	STRUCTURE OF THE PHOTOSYNTHETIC MEMBRANE	33,568
INSTITUTION TOTAL	2		68,981
<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>			
HD11161-01	CORNELIUS, WAYNE A	IMPACT OF GOVERNMENT POLICIES ON RURAL OUT-MIGRATION	83,251
INSTITUTION TOTAL	1		83,251
CITY TOTAL	3		152,232
<b>SHEWSBURY</b>			
<b>WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY</b>			
AG00058-01	LONGCOPE, CHRISTOPHER L	OVARIAN FUNCTION IN POSTMENOPAUSAL WOMEN	61,014

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



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RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	61,014	
CITY TOTAL	1	61,014	
MASSACHUSETTS			
WOODS HOLE			
MARINE BIOLOGICAL LABORATORY			
HD11296-01	ROBINSON, KENNETH R	ELECTRICAL CURRENTS AND EMBRYONIC CELLS	82,584
INSTITUTION TOTAL	1	82,584	
CITY TOTAL	1	82,584	
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER			
AM21216-01	GOODMAN, H MAURICE	INSULIN ON AMINO ACID METABOLISM IN ADIPOSE TISSUE	31,290
INSTITUTION TOTAL	1	31,290	
CITY TOTAL	1	31,290	
STATE TOTAL	26	1,619,371	
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
AM20557-01	BOLE, GILES G, JR	MULTIPURPOSE ARTHRITIS CENTER	200,000
BY02055-01	CICERONE, CAROL M	LIGHT-INDUCED AND INHERITED RETINAL DEGENERATION	48,318
AM20572-01	PAJANS, STEFAN S	DIABETES RESEARCH AND TRAINING CENTER	855,494
GM23954-01	HARBURG, ERNEST	EARLY LIFE STRESSORS AND ADULT CHRONIC DISEASE	23,990
AM21192-01	PEK, SUMER	PROSTAGLANDINS AND SECRETION OF GLUCAGON AND INSULIN	47,519
HL21435-01	YOUNG, DAVID B	CONTROL, CARDIOVASCULAR & RENAL EFFECTS OF POTASSIUM	23,160
INSTITUTION TOTAL	6	1,198,481	
CITY TOTAL	6	1,198,481	
DETROIT			
MERRILL-PALMER INSTITUTE			
HD11224-01	FOX, GREER L	MOTHER-DAUGHTER COMMUNICATION PATTERNS RE SEXUALITY	79,407
INSTITUTION TOTAL	1	79,407	
WAYNE STATE UNIVERSITY			
AM21476-01	MARRAZZI, MARY A	HYPOTHALAMIC GLUCORECEPTOR POTENTIALS--PHARMACOLOGY	38,288

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MICHIGAN</b>			
<b>DETROIT</b>			
WAYNE STATE UNIVERSITY	MITCHELL, J ANDREW	P02 IN REPRODUCTIVE TRACT OF FEMALE ANIMALS	9, 825
HD11266-01			
INSTITUTION TOTAL	2	48,113	
CITY TOTAL	3	127,520	
<b>EAST LANSING</b>			
<b>MICHIGAN STATE UNIVERSITY</b>			
AI14357-01	BOEZI, JOHN A	PHOSPHONOACETIC ACID: ANTIVIRAL AND CYTOTOXIC ACTION	47, 665
INSTITUTION TOTAL	1	47, 665	
CITY TOTAL	1	47, 665	
STATE TOTAL	10	1, 373, 666	
<b>MINNESOTA</b>			
<b>MINNEAPOLIS</b>			
UNIVERSITY OF MINNESOTA	BARBOSA, JOSE J	GENETIC AND HLA STUDIES IN DIABETES MELLITUS	70, 518
AM20729-01	HOWARD, RICHARD J	VIRAL DIABETES: RENAL LESIONS, ANTIBODY & TRANSPLANTS	26, 057
AM21068-01	KRIVIT, WILLIAM	PEDIATRIC ONCOLOGY PROGRAM PROJECT	241, 302
CA21737-01	LI, JONATHAN J	ESTROGEN CARCINOGENICITY AND HORMONE DEPENDENT TUMORS	60, 000
CA22008-01	PRINEAS, RONALD J	PREVENTION OF HIGH BLOOD PRESSURE IN CHILDREN	146, 404
HL19877-01A1	TAN, AGNES W	CONTROL OF GLYCOGEN SYNTHASE BY PROTEIN MODIFICATION	28, 294
AM21277-01	ZIEGLER, RICHARD J	HERPES VIRUS INFECTIONS OF NERVE TISSUE IN VITRO	40, 901
NS13326-01A1			
INSTITUTION TOTAL	7	613, 476	
CITY TOTAL	7	613, 476	
<b>ROCHESTER</b>			
<b>MAYO FOUNDATION</b>			
AM20837-01	GERICH, JOHN E	PANCREATIC SOMATOSTATIN SECRETION IN VITRO	55, 705
AM21101-01	HEATH, HUNTER, III	FRACTURE RISK AND CALCIUM METABOLISM IN DIABETES	35, 115
AM21114-01	NORTHROP, THOMAS E	CELLULAR ACTIONS OF INSULIN IN THE KIDNEY CORTEX	55, 785
AM20605-01	SMITH, LYNNWOOD H	SPECIALIZED CENTER OF RESEARCH IN UROLITHIASIS	153, 920
INSTITUTION TOTAL	4	300, 425	
CITY TOTAL	4	300, 425	
STATE TOTAL	11	913, 901	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>MISSOURI</b>			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
NS13781-01	ALLISON, JAMES H	EFFECTS OF LITHIUM ON INOSITOL AND PHOSPHOLINOSITIDES	63,339
AM20579-01	DAUGHADAY, WILLIAM H	DIABETES RESEARCH AND TRAINING CENTER	1,037,507
AM20602-01	HAHN, BEVRA H	ARTHRITIS CENTER	100,000
AM21310-01	MATSHINSKY, FRANZ M	BIOCHEMISTRY OF EXTRAPANCREATIC GLUCORECEPTOR CELLS	61,250
INSTITUTION TOTAL	4	1,262,096	
CITY TOTAL	4	1,262,096	
STATE TOTAL	4	1,262,096	
<b>NEBRASKA</b>			
LINCOLN			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN			
CA22110-01	MICHEJDA, CHRISTOPHER J	IN VITRO, IN VIVO AND MODEL STUDIES OF NITROSAMINES	40,368
INSTITUTION TOTAL	1	40,368	
CITY TOTAL	1	40,368	
<b>OHIO</b>			
CREIGHTON UNIVERSITY			
AI14233-01	BETRA, AGAINDRA K	BRONCHIAL SENSITIVITY TO MEDIATORS	30,000
INSTITUTION TOTAL	1	30,000	
<b>UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER</b>			
AM21282-01	COOK, DAVID E	MECHANISM OF ACTION OF DIABETES ON DRUG METABOLISM	43,605
AM21186-01	PHARES, C K	EFFECTS OF GROWTH FACTORS IN DIABETICS	39,870
CA20198-01	POUR, PARVIZ M	MULTIDISCIPLINARY INVESTIGATIONS ON PANCREATIC NEOPLASMS	159,000
AM21137-01	SHARP, JOHN G	ROLE OF SUPPRESSOR T CELLS IN PANCREATIC DISEASE	36,510
INSTITUTION TOTAL	4	278,985	
CITY TOTAL	5	308,985	
STATE TOTAL	6	349,353	
<b>NEW HAMPSHIRE</b>			
HANOVER			
DARTMOUTH COLLEGE			
NS13800-01	VELEZ, SAMUEL J	REGENERATION OF NEURONAL CONNECTIONS	40,210
INSTITUTION TOTAL	1	40,210	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	40,210	
STATE TOTAL	1	40,210	
NEW JERSEY			
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY			
GM24017-01	FRIEDMAN, KENNETH J	ROLE OF LIPIDS IN CONTROLLING MEMBRANE PHYSIOLOGY	26,420
INSTITUTION TOTAL	1	26,420	
CITY TOTAL	1	26,420	
PISCATAWAY			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--RUTGERS MEDICAL SCHOOL			
GM23672-01	JOYEUSE, RENE	COLLAGEN-ENZYME MATERIALS FOR ENZYME THERAPY	30,908
INSTITUTION TOTAL	1	30,908	
CITY TOTAL	1	30,908	
STATE TOTAL	2	57,328	
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO			
CA19326-01A1	YUHAS, JOHN M	RADIOPROTECTANTS AND RADIOSENSITIZERS IN RADIOTHERAPY	48,485
INSTITUTION TOTAL	1	48,485	
CITY TOTAL	1	48,485	
STATE TOTAL	1	48,485	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH			
ES01544-01	KAMINSKY, LAURENCE S	POLYCHLORINATED BIPHENYLS METABOLISM/INDUCTION/TOXICITY	37,365
GM23900-01	TRIMBLE, ROBERT B	BIOSYNTHESIS OF THE YEAST GLYCOPROTEIN INVERTASE	29,546
INSTITUTION TOTAL	2	66,911	
STATE UNIVERSITY OF NEW YORK AT ALBANY			
AG00697-01	MILLIS, ALBERT J	SURFACE PROTEINS AND CELLULAR SENESCENCE	40,284
INSTITUTION TOTAL	1	40,284	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

DOLLARS  
AWARDEDNIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	3	107,195	
NEW YORK BUFFALO CHILDREN'S HOSPITAL HL22552-01 NS13677-01	EGAN, EDMUND A BATTAZZI, MARIO C	ABNORMAL ALVEOLAR PERMEABILITY AND LUNG DISEASE ENZYME THERAPY IN GM2 GANGLIOSIDOSIS: AN ANIMAL MODEL	80,000 51,840
INSTITUTION TOTAL	2	131,840	
STATE UNIVERSITY OF NEW YORK AT BUFFALO DE04898-01 NS13194-01A1 AM21205-01	GENCO, ROBERT J SACHS, FREDERICK SCHUBART, ULRICH K	PERIODONTAL DISEASE RESEARCH CENTER SYNAPTIC CHANNELS IN TISSUE CULTURED CELLS CYCLIC AMP-DEPENDENT PHOSPHOPROTEINS & INSULIN RELEASE	213,380 56,811 35,965
INSTITUTION TOTAL	3	306,156	
CITY TOTAL	5	437,996	
COLD SPRING HARBOR COLD SPRING HARBOR LABORATORY GM23566-01	BUKHARI, AHMAD I	THE LIFE CYCLE OF MUTATOR PHAGE MU	26,500
INSTITUTION TOTAL	1	26,500	
CITY TOTAL	1	26,500	
NEW YORK AMERICAN DIABETES ASSOCIATION AM21508-01	PREINKEL, NORBERT	ANNUAL RESEARCH SYMPOSIUM	9,632
INSTITUTION TOTAL	1	9,632	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE AM21260-01 HL21151-01	HEIKKILA, RICHARD E PATTERSON, RANDOLPH E	STUDIES ON THE MODE OF ACTION OF DIABETOGENIC AGENTS ISCHEMIC MYOCARDIUM: DELIVERY OF BLOOD FLOW AND DRUGS	45,610 31,577
INSTITUTION TOTAL	2	77,187	
COLUMBIA UNIVERSITY CA22219-01 CA22376-01 AM21086-01	ELINSON, JACK FEIGELSON, PHILIP SCHACHTER, DAVID	LAY GROUP SUPPORT IMPACT ON IMPAIRED'S RECOVERY/FUNCTION CONTROL OF GENE EXPRESSION: NORMAL AND NEOPLASTIC DIABETES MELLITUS: INSULIN CONTROL OF HEXOSE TRANSFER	79,617 187,100 45,276
INSTITUTION TOTAL	3	311,993	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK			
NEW YORK			
NEW YORK UNIVERSITY			
NS13740-01	BROWN, JASON W	MEMORY PROCESSES UNDERLYING ANOMIA IN APHASIA	55,611
RY01842-01	RIPPS, HARRIS	VISUAL SCIENCES RESEARCH CENTER (CORE FACILITY)	177,915
AN19668-01	SHENKMAN, LOUIS	IMMUNE RESPONSES TO YERSINIA IN THYROID DISEASE	30,167
INSTITUTION TOTAL	3	263,693	
ROCKEFELLER UNIVERSITY			
HD11164-01	AGOSTA, WILLIAM C	ISOLATION AND IDENTIFICATION OF MAMMALIAN PHEROMONES	31,068
AI14361-01	ZABRISKIE, JOHN B	IMMUNOLOGICAL STUDIES IN STREPTOCOCCAL SEQUELAE	99,479
INSTITUTION TOTAL	2	130,547	
YESHIVA UNIVERSITY			
AN20541-01	FLEISCHER, NORMAN S	DIABETES RESEARCH AND TRAINING CENTER	491,877
AN21248-01	ROSEN, ORA M	HORMONAL REGULATION OF ADIPOCYTE DEVELOPMENT IN VITRO	52,897
HL21421-01	WEBER, HERBERT	MYOCARDIAL/VASCULAR CONTRACTILITY & CYCLIC NUCLEOTIDES	29,998
INSTITUTION TOTAL	3	574,772	
CITY TOTAL	14	1,367,824	
PLATTSBURGH			
STATE UNIVERSITY OF NEW YORK--COLLEGE AT PLATTSBURGH			
AN21059-01	MOORE, RICHARD D	ROLE OF SODIUM PUMP IN CELLULAR ACTION OF INSULIN	40,193
INSTITUTION TOTAL	1	40,193	
CITY TOTAL	1	40,193	
ROCHESTER			
UNIVERSITY OF ROCHESTER			
AN21664-01	BRODOWS, R G	CONTROL OF BASAL INSULIN SECRETION IN MAN	34,942
AN21225-01	MILLER, LEON L	DIABETES MELLITUS AND PLASMA GLYCOPROTEIN SYNTHESIS	26,778
INSTITUTION TOTAL	2	61,720	
CITY TOTAL	2	61,720	
SARANAC LAKE			
TRUDEAU INSTITUTE			
AI14065-01	COLLINS, FRANK M	A MOUSE INFECTION MODEL OF LEPROMATOUS LEPROSY	62,744
INSTITUTION TOTAL	1	62,744	
CITY TOTAL	1	62,744	

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK SYRACUSE STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER NS12761-01A1	HODGE, CHARLES J	SUPRASEGMENTAL CONTROL OF SENSORY EVENTS	48,050
INSTITUTION TOTAL	1		48,050
CITY TOTAL	1		48,050
VALHALLA NEW YORK MEDICAL COLLEGE AM20926-01	GIACOMELLI, FILIBERTO	PRIMARY MYOCARDIAL DISEASE IN THE DIABETIC MOUSE	38,000
AM20766-01	MOHOS, STEVEN C	PATHOGENESIS OF GLOMERULAR MICROANGIOPATHY	52,302
INSTITUTION TOTAL	2		90,302
CITY TOTAL	2		90,302
STATE TOTAL	30		2,242,524
NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL CA23648-01	HASKILL, J STEPHEN	IMMUNITY TO HUMAN OVARIAN TUMORS AND CHEMOTHERAPY	100,000
INSTITUTION TOTAL	1		100,000
CITY TOTAL	1		100,000
DURHAM DUKE UNIVERSITY NS13745-01	LEVY, NELSON L	NUCLEOTIDE-RICH "ANTIGEN" UNIQUE TO MS SPINAL FLUID	56,761
INSTITUTION TOTAL	1		56,761
CITY TOTAL	1		56,761
WINSTON-SALEM WAKE FOREST UNIVERSITY AM20066-01	RESNICK, MARTIN I	URINARY MACROMOLECULES AND RENAL LITHIASIS	39,557
CA21146-01	WAITE, B MOSELEY	CHANGES IN CELL MEMBRANES BY ONCOGENIC HERPES SIMPLEX	35,850
INSTITUTION TOTAL	2		75,407
CITY TOTAL	2		75,407
STATE TOTAL	4		232,168

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO CINCINNATI JEWISH HOSPITAL OF CINCINNATI HL21418-01	WEXLER, BERNARD C	EXPERIMENTAL MYOCARDIAL INFARCTION	41,962
INSTITUTION TOTAL	1		41,962
UNIVERSITY OF CINCINNATI AI13688-01A1 HL21276-01 HL22231-01	BJORNSON, ANN B DEUTSCH, EDWARD A SOMARO, R JOHN	HUMORAL FACTORS OF HOST DEFENSE AGAINST B. FRAGILIS DEVELOPMENT OF 99-MTC MYOCARDIAL IMAGING AGENTS MODULATION OF CALCIUM CONTROL OF CARDIAC MYOFIBRILS	31,986 40,464 50,135
INSTITUTION TOTAL	3		122,585
CITY TOTAL	4		164,547
CLEVELAND CASE WESTERN RESERVE UNIVERSITY AM21594-01	GOODRIDGE, ALAN G	REGULATION OF THE SYNTHESIS OF LIPOGENIC ENZYMES	95,272
INSTITUTION TOTAL	1		95,272
MOUNT SINAI HOSPITAL OF CLEVELAND AM21009-01	GENUTH, SAUL M	ROLE OF CARNITINE AND RELATED METABOLITES IN KETOSIS	58,179
INSTITUTION TOTAL	1		58,179
CITY TOTAL	2		153,451
STATE TOTAL	6		317,998
OKLAHOMA OKLAHOMA CITY OKLAHOMA MEDICAL RESEARCH FOUNDATION CA21542-01	FLOYD, ROBERT A	FREE RADICALS IN NITROSO-UNSATURATED LIPID REACTIONS	22,261
INSTITUTION TOTAL	1		22,261
CITY TOTAL	1		22,261
TULSA OKLAHOMA COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY AM19927-01	CONRAD, ROBERT S	METABOLIC EFFECTS OF BRANCHED-CHAIN KETO ACIDS	13,512
INSTITUTION TOTAL	1		13,512
CITY TOTAL	1		13,512

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
STATE TOTAL	2	35,773	
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY			
ES01612-01	KOLLER, LOREN D	ENVIRONMENTAL CONTAMINANTS: EFFECT ON TUMOR IMMUNITY	37,895
INSTITUTION TOTAL	1	37,895	
CITY TOTAL	1	37,895	
STATE TOTAL	1	37,895	
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
AN21159-01	WARD, WALTER F	LYSOSOMAL ROLE IN INSULIN AND GLUCAGON DEGRADATION	36,680
INSTITUTION TOTAL	1	36,680	
CITY TOTAL	1	36,680	
PHILADELPHIA			
DREXEL UNIVERSITY			
GN23558-01	ESFAHANI, MOJTABA	STRUCTURE AND FUNCTION OF LIPIDS IN MEMBRANES	37,641
INSTITUTION TOTAL	1	37,641	
HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA			
AN20830-01	VANDERLINDE, RAYMOND E	RELATIONSHIP OF TISSUE LEVELS OF CHROMIUM TO DIABETES	45,910
INSTITUTION TOTAL	1	45,910	
UNIVERSITY OF PENNSYLVANIA			
ES01628-01	VANDERKOOI, JANE M	METAL INTOXICATION AND METALLOCYTOCHROME SYNTHESIS	15,000
INSTITUTION TOTAL	1	15,000	
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY			
CA20741-01A1	CROCE, CARLO M	BIOLOGY OF HUMAN FIBROSARCOMA	53,527
CA21124-01	KOPROMSKI, HILARY	GENETICS AND VIROLOGY OF CANCER	408,037
INSTITUTION TOTAL	2	461,564	
CITY TOTAL	5	560,115	

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NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY			
HL20632-01	LONGINI, RICHARD L	AN OPTIMAL FETAL HEART MONITOR	47,945
INSTITUTION TOTAL	1		47,945
UNIVERSITY OF PITTSBURGH			
GM23609-01	SAX, MARTIN	THE STEREOCHEMICAL AND VALENCE STRUCTURE OF THIAMINE	28,700
INSTITUTION TOTAL	1		28,700
CITY TOTAL	2		76,645
STATE TOTAL	8		673,440
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY			
AI13544-01A1	LANDY, ARTHUR	MECHANISMS OF SITE-SPECIFIC RECOMBINATION	34,059
INSTITUTION TOTAL	1		34,059
CITY TOTAL	1		34,059
STATE TOTAL	1		34,059
SOUTH CAROLINA			
CHARLESTON			
AMERICAN ASSOCIATION OF NEUROPATHOLOGISTS			
NS13861-01	EARLE, KENNETH M	SYMPOSIUM--NEURONAL & GLIAL PROCESSES IN NEUROPATHOLOGY	12,526
NS13862-01	EARLE, KENNETH M	SYMPOSIUM ON DISORDERS OF PERIPHERAL NERVES	13,062
NS13863-01	EARLE, KENNETH M	SYMPOSIUM ON DEVELOPMENTAL NEUROPATHOLOGY	11,675
INSTITUTION TOTAL	3		37,263
MEDICAL UNIVERSITY OF SOUTH CAROLINA			
AM20571-01	LE ROY, E CARWILE	EARLY DETECTION AND OUTCOME OF RHEUMATIC DISEASE	120,000
INSTITUTION TOTAL	1		120,000
CITY TOTAL	4		157,263
COLUMBIA			
UNIVERSITY OF SOUTH CAROLINA			
HD11114-01	ENGLE, RANDALL W	RESEARCH ON THE AUDITORY SENSORY MEMORY IN CHILDREN	21,440
INSTITUTION TOTAL	1		21,440

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	
CITY TOTAL	1	21,440	
STATE TOTAL	5	178,703	
TENNESSEE KNOXVILLE UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE AI14387-01 BECKER, JEFFREY M A NOVEL APPROACH FOR DRUGS TO CANDIDA ALBICANS	1 1	50,130 50,130	50,130
NASHVILLE VANDERBILT UNIVERSITY AN21130-01 CHAN, TIMOTHY M SKELETAL MUSCLE METABOLISM IN OBESE-DIABETIC MICE AN21170-01 JOHNSON, ROGER A ADENOSINE REGULATION OF C-AMP METABOLISM AND LIPOLYSIS AN21323-01 SLONIM, EPHRAIM A REDOX CHANGES ON B CELL VIABILITY AND INSULIN RELEASE	3 3 4	112,228 112,228 162,358	39,814 41,304 31,110
TEXAS AUSTIN UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN GR23331-01A1 BLOCH, DAVID P SIMULTANEOUS FMF DETERMINATION OF DNA AND HISTONE	1 1	28,906 28,906	28,906
DALLAS UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS AN21163-01 FAWCETT, C PETER HYPOTHALAMIC REGULATION OF THE ENDOCRINE PANCREAS AN19636-01 HERNDON, JAMES H, JR PERMEABILITY OF THE EPIDERMAL-DERMAL BASEMENT ZONE AN21287-01 LINN, TRACY C REGULATION OF LIPOGENIC ENZYMES IN DIABETES AN20543-01 PAK, CHARLES Y FORMULATION OF RATIONAL THERAPY OF UROLITHIASIS AN20976-01 ZAHLTEN, RAINER N CYTOSOLIC FUMARASE IN DIABETES AN20628-01 ZIFF, MORRIS MULTIPURPOSE ARTHRITIS CENTER	6 6	359,234 359,234	34,298 32,469 28,981 178,595 23,923 60,968
INSTITUTION TOTAL CITY TOTAL	6 6	359,234 359,234	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>TEXAS</b>			
<b>GALVESTON</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
NS13778-01	FISHMAN, HARVEY M	STOCHASTIC AND KINETIC PROCESSES IN MEMBRANE FUNCTION	216,364
NS13727-01	GALLAGHER, JOEL P	THE PHARMACOLOGY OF A GABA RECEPTOR	36,899
INSTITUTION TOTAL	2	253,263	
CITY TOTAL	2	253,263	
<b>HOUSTON</b>			
<b>BAYLOR COLLEGE OF MEDICINE</b>			
AM21203-01	BOYD, AUBREY E, III	SOMATOSTATIN SECRETIN IN DIABETES	47,043
HL21052-01	GORRY, G ANTHONY	EVALUATION OF A DIGITALIS THERAPY ADVISOR	23,020
INSTITUTION TOTAL	2	70,063	
<b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON</b>			
CA21350-01	LANDERS, TERRY A	ROLE OF TUMOR VIRUS STRUCTURAL PROTEINS IN INFECTION	40,838
INSTITUTION TOTAL	1	40,838	
CITY TOTAL	3	110,901	
<b>SAN ANTONIO</b>			
<b>SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION</b>			
ES01246-01A1	GELLER, IRVING	EFFECTS OF ATMOSPHERIC POLLUTANTS ON BEHAVIOR	51,320
INSTITUTION TOTAL	1	51,320	
<b>TEXAS DEPARTMENT OF HEALTH RESOURCES--SAN ANTONIO CHEST HOSPITAL</b>			
AI13573-01A1	COX, REBECCA A	C-ASWS: A COCCIDIOIDES CELL WALL ANTIGEN	73,545
INSTITUTION TOTAL	1	73,545	
<b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO</b>			
AI14272-01	DRUTZ, DAVID J	GONOCOCCAL ARTHRITIS	50,624
HD10202-01A1	PAUERSTEIN, CARL J	CENTER FOR RESEARCH IN REPRODUCTIVE BIOLOGY	320,076
INSTITUTION TOTAL	2	370,700	
CITY TOTAL	4	495,565	
STATE TOTAL	16	1,247,869	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
<b>UTAH</b>			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
AM20503-01	KUSHNER, JAMES P	PORPHYRIN BIOSYNTHESIS IN NORMAL AND DISEASE STATES	68,677
INSTITUTION TOTAL	1		68,677
CITY TOTAL	1		68,677
STATE TOTAL	1		68,677
<b>VERMONT</b>			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE			
AM20790-01	CRAIGHEAD, JOHN E	DIABETES MODELS INDUCED BY VIRAL AND IMMUNE INSULTS	77,718
INSTITUTION TOTAL	1		77,718
CITY TOTAL	1		77,718
STATE TOTAL	1		77,718
<b>VIRGINIA</b>			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
AM20787-01	CURNOW, RANDALL T	PROTEIN PHOSPHATASE IN NORMAL AND DIABETIC LIVER	58,015
HD11192-01	IVEY, HALLAM H	THE USE OF NEBULIZED SURFACTANTS IN TREATMENT OF RDS	67,120
GM23573-01	THOMPSON, THOMAS E	PROPERTIES OF BILAYERS CONTAINING GLYCOPHINGOLIPIDS	33,858
GM25244-01	WYANDT, HERMAN E	SOMATIC STUDIES OF HUMAN RING CHROMOSOMES	59,760
INSTITUTION TOTAL	4		212,753
CITY TOTAL	4		212,753
<b>RICHMOND</b>			
VIRGINIA COMMONWEALTH UNIVERSITY			
HD11247-01	JOHNSON, JAMES H	NEUROENDOCRINE CONTROL OF GONADOTROPINS AT PUBERTY	31,163
HL21493-01	PANG, DAVID C	CONTRACTILITY IN CARDIAC FAILURE	35,995
INSTITUTION TOTAL	2		67,158
CITY TOTAL	2		67,158
STATE TOTAL	6		279,911

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WASHINGTON PULLMAN WASHINGTON STATE UNIVERSITY AM20462-01A1	KRAMER, JOHN W	A NEW ANIMAL MODEL OF INHERITED DIABETES MELLITUS	41,346
INSTITUTION TOTAL	1		41,346
CITY TOTAL	1		41,346
SEATTLE CHILDREN'S ORTHOPEDIC HOSPITAL AND MEDICAL CENTER HL20883-01	STREETER, DANIEL D, JR	FIBER GEOMETRY IN HYPERTROPHY AND CARDIOMYOPATHY	49,145
INSTITUTION TOTAL	1		49,145
UNIVERSITY OF WASHINGTON AM21185-01 HD11070-01 AI14180-01	CRILL, WAYNE E HILLE, MERRILL B KUO, CHO-CHOU	PANCREATIC ISLET ELECTRICAL ACTIVITY AND SECRETION ACTIVATION OF PROTEIN SYNTHESIS IN ECHINOIDEA EMBRYOS IMMUNOLOGY OF CHLAMYDIA TRACHOMATIS GENITAL INFECTION	11,311 31,104 51,262
INSTITUTION TOTAL	3		93,677
VETERANS ADMINISTRATION HOSPITAL AM20754-01	HALTER, JEFFREY B	THE PATHOGENESIS OF IMPOTENCE IN DIABETES MELLITUS	34,664
INSTITUTION TOTAL	1		34,664
CITY TOTAL	5		177,486
STATE TOTAL	6		218,832
WISCONSIN MADISON UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON	ALLEN, JAMES R ALLEN, JAMES R LARDY, HENRY A PORTER, JOHN W	DIOXIN INDUCED TOXICITY AND CARCINOGENICITY IMPLICATIONS OF LOW LEVEL EXPOSURE TO DIOXINS REGULATION OF GLUCONEOGENESIS IN DIABETES REGULATION OF LIPOGENESIS BY INSULIN AND GLUCAGON	33,314 52,458 30,483 43,182
INSTITUTION TOTAL	4		159,437
CITY TOTAL	4		159,437
MILWAUKEE MEDICAL COLLEGE OF WISCONSIN HL21071-01	BONCHECK, LAWRENCE I	MECHANISMS OF HYPERTENSION IN COARCTATION OF THE AORTA	36,898

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
WISCONSIN			
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN			
AI13818-01A1	GROSSBERG, SIDNEY E	MOLECULAR MECHANISMS OF ANTIVIRAL RESISTANCE	70,487
INSTITUTION TOTAL	2	107,385	
CITY TOTAL	2	107,385	
STATE TOTAL	6	266,822	
CANADA			
MONTREAL			
MAISONNEUVE HOSPITAL			
AM20136-01	GAGNAN-BRUNETTE, MICHELE	PHYSIOLOGY OF MAGNESIUM IN THE PAPILLA OF RAT KIDNEY	24,950
INSTITUTION TOTAL	1	24,950	
CITY TOTAL	1	24,950	
STATE TOTAL	1	24,950	
ISRAEL			
JERUSALEM			
HEBREW UNIVERSITY OF JERUSALEM			
NS13935-01	WERNAN, ROBERT	THE MOTONEURON IN SPINAL CORD SLICES	46,535
INSTITUTION TOTAL	1	46,535	
CITY TOTAL	1	46,535	
STATE TOTAL	1	46,535	
KOREA REP OF			
SEOUL			
KOREA ADVANCED INSTITUTE OF SCIENCE			
CA21729-01	SHIM, SANG C	PHOTOCHEMISTRY OF DINITROXYCOUMARIN	10,590
INSTITUTION TOTAL	1	10,590	
CITY TOTAL	1	10,590	
STATE TOTAL	1	10,590	
S APR REP OF			
PRETORIA			
UNIVERSITY OF PRETORIA			
CA21692-01	FALKSON, GEOFFREY	EASTERN COOPERATIVE ONCOLOGY GROUP STUDIES	43,813
* INCLUDES DIRECT COST ONLY FOR NIH AWARDS			

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
INSTITUTION TOTAL	1	43,813	
CITY TOTAL	1	43,813	
STATE TOTAL	1	43,813	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
CA21959-01	SIMS, PETER	METABOLIC ACTIVATION OF THE POLYCYCLIC HYDROCARBONS	53,830
INSTITUTION TOTAL	1	53,830	
CITY TOTAL	1	53,830	
STATE TOTAL	1	53,830	
TOTAL	249	20,271,669	53,830

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>ALABAMA</b>			
BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM CP71013-00	HUNTER, ERIC	IN VITRO TRANSFORMING POTENTIAL OF MPV	62,875
INSTITUTION TOTAL	1	62,875	
CITY TOTAL	1	62,875	
STATE TOTAL	1	62,875	
<b>ARIZONA</b>			
TUCSON UNIVERSITY OF ARIZONA	OVITT, THERON W	NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	357,812
HV72931-00			
INSTITUTION TOTAL	1	357,812	
CITY TOTAL	1	357,812	
STATE TOTAL	1	357,812	
<b>CALIFORNIA</b>			
BERKELEY ANDROS, INC.	PORTNER, PEER M	DEVELOPMENT OF A LEFT HEART ASSIST BLOOD PUMP	204,640
HV72938-00	PORTNER, PEER M	ELECTRICAL ENERGY TRANSMISSION TECHNIQUE DEVELOPMENT	163,608
HV72933-00			
INSTITUTION TOTAL	2	368,248	
CITY TOTAL	2	368,248	
<b>DAVIS</b>			
UNIVERSITY OF CALIFORNIA AT DAVIS	BORHANI, NEMAT O	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	11,051
HV72954-00			
INSTITUTION TOTAL	1	11,051	
CITY TOTAL	1	11,051	
<b>GILROY</b>			
SIMONSEN LABORATORIES	RUSSELL, JAMES D	GENETIC CENTER FOR RODENTS IN BIOCONTAINMENT ENVIRONMENT	509,710
CN77166-00			
INSTITUTION TOTAL	1	509,710	
CITY TOTAL	1	509,710	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA LA JOLLA SALK INSTITUTE FOR BIOLOGICAL STUDIES CP71008-00	FAN, HUNG	CELLULAR DIFFERENTIATION AND VIRAL ONCOGENESIS	136,650
INSTITUTION TOTAL	1		136,650
SCRIPPS CLINIC AND RESEARCH FOUNDATION CB74126-00 CALLAHAN, GERALD N CB74196-00 HAMAOKA, TOSHIYUKI		DETECTION OF TUMOR SPECIFIC ANTIGENS IN CIRCULATION MOUSE TUMOR IMMUNOTHERAPY/HEPTEN REACTIVE T LYMPHOCYTES	73,085 45,000
INSTITUTION TOTAL	2		118,085
UNIVERSITY OF CALIFORNIA AT SAN DIEGO HS72370-00 MARSHALL, LAWRENCE F		COMPREHENSIVE CENTRAL NERVOUS SYSTEM TRAUMA CENTER	91,938
INSTITUTION TOTAL	1		91,938
CITY TOTAL	4		346,673
LOMA LINDA LOMA LINDA UNIVERSITY LM74719-00 KNABENBAUER, ROBERT H		MEDICAL ILLUSTRATION SERVICES	13,170
INSTITUTION TOTAL	1		13,170
CITY TOTAL	1		13,170
LOS ANGELES UNIVERSITY OF CALIFORNIA AT LOS ANGELES CB74133-00 TAKASUGI, MITSUO		NORMALS CELL MEDIATED REACTIVITY TO HUMAN TUMOR ANTIGENS	68,509
INSTITUTION TOTAL	1		68,509
UNIVERSITY OF SOUTHERN CALIFORNIA HV72930-00 BLANKENHORN, DAVID H		ATHEROSCLEROSIS ASSESSMENT--ANGIOGRAPHY AND ULTRASOUND	282,885
INSTITUTION TOTAL	1		282,885
CITY TOTAL	2		351,394
MENLO PARK STANFORD RESEARCH INSTITUTE INTERNATIONAL CP75917-00 CHEUNG, ANDREW P HD72828-00 DAWSON, MARCIA I		DETECT AND IDENTIFY MUTAGENS IN HUMAN BODY FLUIDS POLYMERIC INTRAVAGINAL CONTRACEPTIVES	72,309 68,050



NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA MENLO PARK STANFORD RESEARCH INSTITUTE INTERNATIONAL CP75930-00 HD72817-00	JOHNSON, H L TANABE, MASATO	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS ABEO STEROIDS AS CONTRACEPTIVE AGENTS	101,153 156,538
INSTITUTION TOTAL CITY TOTAL	4 4	398,050 398,050	
OAKLAND KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE CB74169-00	COOPER, J FENIMORE	CLINICAL EVALUATION OF IMMUNODIAGNOSTIC TESTS FOR CANCER	88,969
INSTITUTION TOTAL CITY TOTAL	1 1	88,969 88,969	
PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY CP71004-00	DAVIDSON, NORMAN	RESTRICTION ENDONUCLEASE ANALYSIS	90,240
INSTITUTION TOTAL CITY TOTAL	1 1	90,240 90,240	
SACRAMENTO CALIFORNIA STATE HEALTH AND WELFARE AGENCY CP71035-00	AUSTIN, DONALD F	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	85,720
INSTITUTION TOTAL CITY TOTAL	1 1	85,720 85,720	
SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO CB74178-00 NS72367-00	GOODMAN, JOEL W MERZENICK, MICHAEL M	CHARACTERIZATION OF ANTIGEN BINDING T-CELL RECEPTORS DEVELOP MULTICHANNEL ELECTRODES FOR AUDITORY PROSTHESIS	70,773 83,700
INSTITUTION TOTAL CITY TOTAL	2 2	154,473 154,473	
STANFORD STANFORD UNIVERSITY CP71052-00	KAPLAN, HENRY S	RADLV INFECTION AND LYMPHOCYTE DIFFERENTIATION IN MICE	125,000

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>CALIFORNIA</b>			
<b>STANFORD</b>			
CP75928-00	LOEH, GILDA	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	82,747
NS72366-00	WHITE, ROBERT	DEVELOP ELECTRODES FOR AUDITORY PROSTHESIS	104,500
INSTITUTION TOTAL	3	312,247	
CITY TOTAL	3	312,247	
<b>TORRANCE</b>			
<b>LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL</b>			
AM72220-00	PARLOW, ALFRED F	ISOLATE PURITY AND HUMAN PITUITARY HORMONES	149,509
INSTITUTION TOTAL	1	149,509	
CITY TOTAL	1	149,509	
STATE TOTAL	24	2,879,454	
<b>COLORADO</b>			
<b>DENVER</b>			
<b>NATIONAL ASTHMA CENTER</b>			
HR72972-00	CREEER, THOMAS	SELF-MANAGEMENT SYSTEMS FOR ASTHMATIC CHILDREN	82,270
INSTITUTION TOTAL	1	82,270	
<b>UNIVERSITY OF COLORADO MEDICAL CENTER</b>			
HV72946-00	STEWART, JOHN M	DEVELOPMENT OF KALLIKREIN-KININ SYSTEM ANTAGONISTS	58,324
INSTITUTION TOTAL	1	58,324	
CITY TOTAL	2	140,594	
STATE TOTAL	2	140,594	
<b>CONNECTICUT</b>			
<b>STORRS</b>			
<b>UNIVERSITY OF CONNECTICUT</b>			
HV72929-00	FOX, MARTIN D	IMPROVED DETECTION OF ATHEROSCLEROSIS	142,609
INSTITUTION TOTAL	1	142,609	
CITY TOTAL	1	142,609	
STATE TOTAL	1	142,609	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>DELAWARE</b>			
WILMINGTON			
WILMINGTON MEDICAL CENTER			
CB74137-00	WHITNEY, LESLIE W	SERUM FROM PATIENTS WITH BREAST LESIONS	30,700
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>DIST OF COL</b>			
WASHINGTON			
AMERICAN INSTITUTES FOR RESEARCH			
HD72820-00	CARD, JOSEFINA JAYME	LONG-TERM CONSEQUENCES OF ADOLESCENT'S CHILDREN	72,671
HR72974-00	SHANNER, WILLIAM M	SELF-MANAGEMENT SYSTEMS FOR ASTHMATIC CHILDREN	158,200
INSTITUTION TOTAL	2		
			230,871
<b>AMERICAN SOCIETY FOR MICROBIOLOGY</b>			
AI72527-00	ACKER, ROBERT F	RECOMBINANT DNA--MICROBIOLOGY TECH. & BIOHAZARD CONTROL	28,358
INSTITUTION TOTAL	1		
			28,358
<b>COUNCIL ON LIBRARY RESOURCES</b>			
LH74715-00	COLE, FRED	MEDICAL LIBRARY MANAGEMENT INTERN PROGRAM	123,910
INSTITUTION TOTAL	1		
CITY TOTAL	4		
STATE TOTAL	4		
			123,910
<b>GEORGIA</b>			
ATLANTA			
BILL DRATH ILLUSTRATIONS			
LM74716-00	DRATH, WILFRED H	MISCELLANEOUS GRAPHIC ILLUSTRATION SERVICES	18,000
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
			18,000
<b>HAWAII</b>			
HONOLULU			
PACIFIC HEALTH RESEARCH INSTITUTE			
HV72956-00	MC NAMARA, J JUDSON	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,699

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ILLINOIS CHICAGO IIT RESEARCH INSTITUTE CB74207-00	MOON, RICHARD C	PREVENTION OF PRENEOPLASTIC LESIONS OF THE MAMMARY GLAND	81,000
INSTITUTION TOTAL	1		
CITY TOTAL	1		10,699
STATE TOTAL	1		10,699
NORTHWESTERN UNIVERSITY HV72963-00	HARING, OLGA M	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	6,624
INSTITUTION TOTAL	1		6,624
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER HV72967-00	SCHOENBERGER, JAMES A	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,926
INSTITUTION TOTAL	1		8,926
UNIVERSITY OF CHICAGO CB74149-00	FITCH, FRANK W	CHARACTERIZATION OF ANTIGEN-BINDING T-CELL RECEPTORS	72,523
INSTITUTION TOTAL	1		72,523
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER DE72401-00	SADOWSKY, CYRIL	LONG-TERM EFFECTS OF ORTHODONTIC TREATMENT	78,800
INSTITUTION TOTAL	1		78,800
CITY TOTAL	5		247,873
EVANSTON EVANSTON HOSPITAL HV72955-00	GARYN, WILNER	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,684
INSTITUTION TOTAL	1		10,684
NORTHWESTERN UNIVERSITY CB74114-00	EPSTEIN, MAS	INNOVATIVE TECHNIQUES FOR COLONOSCOPE PASSAGE INTO CECUM	119,671
INSTITUTION TOTAL	1		119,671
CITY TOTAL	2		130,355

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>ILLINOIS</b>			
HAYWOOD			
LOYOLA UNIVERSITY MEDICAL CENTER			
HD72843-00	GOLDBERG, JULIUS	SIDS RISK FACTOR COOPERATIVE STUDY	182,514
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	8		
<b>INDIANA</b>			
CUMBERLAND			
HARLAN INDUSTRIES			
CH77168-00	HARLAN, HAL P	PRIMARY GENETIC CENTER FOR GERMPFREE RODENTS	220,690
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>KANSAS</b>			
LAWRENCE			
INTEREX RESEARCH CORPORATION			
HD72833-00	BODOR, NICHOLAS	DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	125,738
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>KENTUCKY</b>			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
HD72830-00	HUSSAIN, ANWAR A	DEVELOPMENT OF SUSTAINED RELEASE ORAL DOSAGE FORMS	101,500
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>LOUISIANA</b>			
BATON ROUGE			
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE AT BATON ROUGE			
AN72238-00	CHANG, RAMSAY L	USE OF ANIONIC MEMBRANES FOR HEMOFILTRATION	15,000

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	15,000	
CITY TOTAL	1	15,000	
LOUISIANA			
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS			
AM72226-00	GANZALEZ, FRANCISCO M	MECHANISMS OF VASCULAR ACCESS PROBLEMS IN HEMODIALYSIS	72,512
INSTITUTION TOTAL	1	72,512	
TULANE UNIVERSITY			
CP71037-00	KREMENTZ, EDWARD T	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	91,201
INSTITUTION TOTAL	1	91,201	
CITY TOTAL	2	163,713	
STATE TOTAL	3	178,713	
MARYLAND			
BALTIMORE			
AMERICAN ASSOCIATION OF NEUROSURGICAL NURSES			
NS72355-00	RAUCH, PATRICIA	DEVELOP CERTIFICATION EXAM FOR NEUROSURGICAL NURSES	19,100
INSTITUTION TOTAL	1	19,100	
JOHNS HOPKINS UNIVERSITY			
CP75929-00	KAUFMAN, JOYCE J	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	81,009
INSTITUTION TOTAL	1	81,009	
CITY TOTAL	2	100,109	
BETHESDA			
COMPUTER DATA SYSTEMS			
NS72374-00	BALLY, JAMES T	ANALYSES OF NINCDS PERINATAL PROJECT DATA	149,670
INSTITUTION TOTAL	1	149,670	
CITY TOTAL	1	149,670	
CHEVERLY			
VARIAN ASSOCIATES			
LM74718-00	NOT APPLICABLE	SPARE PARTS FOR NIM SATELLITE BIOMED COMMUNICA SYSTEM	24,775
INSTITUTION TOTAL	1	24,775	



NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	24,775	
MARYLAND			
ROCKVILLE			
MICRODYNE CORPORATION			
LN74714-00	NOT APPLICABLE	SPARE PARTS FOR NLM SATELLITE BIOHED COMMUNICA SYSTEM	19,500
INSTITUTION TOTAL	1	19,500	
WESTAT RESEARCH, INC			
NS72379-00	SCHROEDER, ANITA G	COMPREHENSIVE DISEASE STATISTICS SURVEY	219,543
INSTITUTION TOTAL	1	219,543	
CITY TOTAL	2	239,043	
SILVER SPRING			
ORKAND CORPORATION			
HD72850-00	ISBISTER, JAMES D	NICHD CENTERS EVALUATION STUDY	144,421
INSTITUTION TOTAL	1	144,421	
CITY TOTAL	1	144,421	
STATE TOTAL	7	658,018	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
CP71029-00	SHAPIRO, SAMUEL	CASE CONTROL STUDY OF CARCINOMA OF ENDOMETRIUM	35,478
CB74099-00	SHAPIRO, SAMUEL	ESTROGEN REPLACEMENT AFTER PREMENOPAUSAL OOPHORECTOMY	37,700
HV72951-00	VOKONAS, PANTELS	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	6,698
INSTITUTION TOTAL	3	79,876	
HARVARD UNIVERSITY			
HV72940-00	BRAUNWALD, EUGENE	THERAPY TO PROTECT ISCHEMIC MYOCARDIUM	147,079
INSTITUTION TOTAL	1	147,079	
LAHEY CLINIC FOUNDATION			
CB74212-00	COLLER, JOHN A	INNOVATIVE TECHNIQUES FOR COLONOSCOPE PASSAGE INTO CECUM	96,600
INSTITUTION TOTAL	1	96,600	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>MASSACHUSETTS</b>			
<b>BOSTON</b>			
SIDNEY FARRER CANCER INSTITUTE		BALB: 1 VIRUS AND MYELOID DIFFERENTIATION IN MICE	75,000
CP71051-00	GREENBERGER, JOEL S	STUDIES ON THE INTEGRATION SITES OF ONCOGENIC VIRUSES	86,670
CP71057-00	HASELTINE, WILLIAM A		
INSTITUTION TOTAL	2	161,670	
<b>TUFTS UNIVERSITY</b>			
AI72529-00	LEVY, STUART B	TESTING OF VECTOR-HOST SYSTEMS IN MAMMALS	293,497
INSTITUTION TOTAL	1	293,497	
CITY TOTAL	8	778,722	
<b>CAMBRIDGE</b>			
BLOCK ENGINEERING		DEVELOPMENT OF NEW METHODS OF SINGLE CELL SEPARATION	298,079
CB74095-00	SCHILDKRAUT, E ROBERT		
INSTITUTION TOTAL	1	298,079	
<b>BOLT BERANEK AND NEWMAN</b>			
HD72836-00	ROLLINS, ANN M	PROTOTYPE TEST OF DECODING SKILLS	161,385
INSTITUTION TOTAL	1	161,385	
CITY TOTAL	2	459,464	
<b>EVERETT</b>			
AVCO CORPORATION--EVERETT RESEARCH LABORATORY		DEVELOPMENT OF A LEFT HEART ASSIST BLOOD PUMP	318,665
HV72937-00	LEDERMAN, DAVID		
INSTITUTION TOTAL	1	318,665	
CITY TOTAL	1	318,665	
<b>WILMINGTON</b>			
CHARLES RIVER BREEDING LABORATORIES		GENETIC CENTER FOR RODENTS IN BIOCONTAINMENT ENVIRONMENT	1,471,309
CM77141-00	POSTER, SUMNER		
INSTITUTION TOTAL	1	1,471,309	
<b>KOCH INDUSTRIES--ABCOR, INC.</b>			
HD72832-00	POLIDORO, JOHN P	DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	126,935
INSTITUTION TOTAL	1	126,935	
CITY TOTAL	2	1,598,244	

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RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
STATE TOTAL	13	3,155,095	
MICHIGAN			
DETROIT			
HENRY FORD HOSPITAL			
HV72957-00	BRENEHAN, GERALD M	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	7,651
INSTITUTION TOTAL	1	7,651	
CITY TOTAL	1	7,651	7,651
EAST LANSING			
MICHIGAN STATE UNIVERSITY			
CB74090-00	WELSCH, CLIFFORD W	PREVENTION OF MAMMARY PRENEOPLASTIC LESIONS	85,000
INSTITUTION TOTAL	1	85,000	
CITY TOTAL	1	85,000	85,000
GRAND RAPIDS			
BUTTERNORTH HOSPITAL			
CB74213-00	BOWMAN, HAROLD E	SERUM FROM PATIENTS WITH BREAST LESIONS	19,900
INSTITUTION TOTAL	1	19,900	
CITY TOTAL	1	19,900	19,900
STATE TOTAL	3	112,551	
MINNESOTA			
MINNEAPOLIS			
RENAL SYSTEMS			
AH72219-00	ROSENBLUTH, ROBERT F	EVALUATE IMPLANTABLE CARBON BLOOD ACCESS DEVICE	52,983
INSTITUTION TOTAL	1	52,983	
UNIVERSITY OF MINNESOTA			
CB74160-00	BERLINGER, NORMAN T	SUPPRESSOR MONOCYTES IN CANCER PATIENTS	74,666
INSTITUTION TOTAL	1	74,666	
CITY TOTAL	2	127,649	
STATE TOTAL	2	127,649	74,666

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MISSOURI			
COLUMBIA			
CANCER RESEARCH CENTER			
CB74138-00	RODES, NED D	BREAST CANCER DETECTION DEMONSTRATION PROJECTS	62,700
INSTITUTION TOTAL	1		62,700
CITY TOTAL	1		62,700
SAINT LOUIS			
ST. LOUIS REGIONAL MATERNAL AND CHILD HEALTH COUNCIL			
HD72844-00	HILLMAN, LAURA S	SIDS RISK FACTOR COOPERATIVE STUDY	70,467
INSTITUTION TOTAL	1		70,467
CITY TOTAL	1		70,467
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
HV72919-00	KARDOS, J L	TEST POLYMERS FOR CIRCULATORY ASSIST DEVICES	140,179
HV72944-00	MARSHALL, GARLAND R	PROSTAGLANDIN AND KALLIKREIN-KININ SYSTEM ANTAGONISTS	85,104
HV72945-00	NEEDLEMAN, PHILIP	DEVELOP PROSTAGLANDIN SYNTHESIS AND RECEPTOR ANTAGONISTS	81,195
HV72941-00	SOBEL, BURTON E	THERAPY TO PROTECT ISCHEMIC MYOCARDIUM/CLINICAL TESTS	10,600
INSTITUTION TOTAL	4		317,078
CITY TOTAL	4		317,078
STATE TOTAL	6		450,245
NEBRASKA			
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
HV72962-00	FORKEE, ALAN D	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,303
INSTITUTION TOTAL	1		8,303
CITY TOTAL	1		8,303
STATE TOTAL	1		8,303
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HV72953-00	MATHEWS, LOUIS B	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,833
INSTITUTION TOTAL	1		8,833

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	8,833	
STATE TOTAL	1	8,833	
NEW JERSEY			
SUMMIT			
OVERLOOK HOSPITAL			
HV72964-00	GREGORY, JOHN J	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,727
INSTITUTION TOTAL	1	8,727	
CITY TOTAL	1	8,727	
STATE TOTAL	1	8,727	
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE			
HD72837-00	RICHARDSON, ELLIS	PROTOTYPE TEST OF DECODING SKILLS	71,245
INSTITUTION TOTAL	1	71,245	
CITY TOTAL	1	71,245	
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CB74165-00	MINOWADA, JUN	DIAGNOSTIC USE OF LEUKEMIA-ASSOCIATED ANTIGENS	62,397
CB74105-00	SINHA, DILIP K	CHANGING SENSITIVITY TO CARCINOGENESIS OF MAMMARY GLAND	58,100
INSTITUTION TOTAL	2	120,497	
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
HV72952-00	KOHN, ROBERT M	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	5,179
DE72408-00	STINSON, MURRAY W	CROSS-REACTING ANTIGENS/ORAL FLORA ACIDOGENIC BACTERIA	68,428
INSTITUTION TOTAL	2	73,607	
CITY TOTAL	4	194,104	
NEW YORK			
ABRAM NOWAK ASSOCIATES			
LM74720-00	NOT APPLICABLE	PATIENT EDUCATION FILM WITH FACULTY & LEARNER GUIDES	71,184
INSTITUTION TOTAL	1	71,184	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
NEW YORK NEW YORK COLUMBIA UNIVERSITY CP71055-00	GUNTAKA, RAMAREDDY V	PHYSICAL/BIOCHEMICAL MAPPING OF AVIAN SARCOMA VIRUS	104,200
INSTITUTION TOTAL	1		
LONG ISLAND JEWISH-HILLSIDE MEDICAL CENTER HV72959-00	KRAMER, ROBERT J	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,202
INSTITUTION TOTAL	1		
MEMORIAL SLOAN-KETTERING CANCER CENTER CP71053-00	MOORE, MALCOLM A	STUDY MULV INFECTION AND MYELOID CELL DIFFERENTIATION	145,200
INSTITUTION TOTAL	1		
NEW YORK CITY HEALTH SERVICES ADMINISTRATION HD72842-00	PAKTER, JEAN	SIDS RISK FACTOR COOPERATIVE STUDY	184,500
INSTITUTION TOTAL	1		
POPULATION COUNCIL HD72827-00	GUPTA, GOPI N	DEVELOPMENT OF BIO-ERODABLE CONTRACEPTIVE IMPLANTS	105,000
INSTITUTION TOTAL	1		
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH CB74742-00 CB74746-00	PINSKY, CARL M PINSKY, CARL M	BCG BEFORE RADIATION & CYSTECTOMY IN BLADDER CANCER BCG IMMUNOTHERAPY--RECURRENT SUPERFICIAL BLADDER CANCER	48,943 44,144
INSTITUTION TOTAL	2		
YESHIVA UNIVERSITY NS72371-00	SHULMAN, KENNETH M	COMPREHENSIVE CENTRAL NERVOUS SYSTEM TRAUMA CENTER	116,127
INSTITUTION TOTAL	1		
CITY TOTAL	9		827,500
ROCHESTER EASTMAN DENTAL CENTER DE72407-00	LEVERETT, DENNIS H	EFFECT OF TOOTH-CLEANING ON SODIUM FLUORIDE RINSE	48,908
INSTITUTION TOTAL	1		
CITY TOTAL	1		48,908



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DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	15	1,141,757	
NORTH CAROLINA RESEARCH TRIANGLE PARK RESEARCH TRIANGLE INSTITUTE AN72231-00 PITT, COLIN G HV72979-00 POOLE, KENNETH		SYNTHESIS OF IRON CHELATING AGENTS FOR COOLEY'S ANEMIA THERAPY TO PROTECT ISCHEMIC MYOCARDIUM--DATA CENTER	41,879 87,036
INSTITUTION TOTAL	2	128,915	
CITY TOTAL	2	128,915	
WINSTON-SALEM WAKE FOREST UNIVERSITY HV72925-00 MC HENRY, LAWRENCE C		NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	247,168 247,168
INSTITUTION TOTAL	1	247,168	
CITY TOTAL	1	247,168	
STATE TOTAL	3	376,083	
OHIO CINCINNATI UNIVERSITY OF CINCINNATI HV72924-00 OLINGER, CHARLES P		NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	289,163 289,163
INSTITUTION TOTAL	1	289,163	
CITY TOTAL	1	289,163	
CLEVELAND CASE WESTERN RESERVE UNIVERSITY HV72920-00 DEARBORN, DORR CP75927-00 HOPFINGER, ANTON J		CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	104,500 98,678
INSTITUTION TOTAL	2	203,178	
CITY TOTAL	2	203,178	
DAYTON MONSANTO COMPANY--DAYTON LABORATORY HV72918-00 MC MILLIN, CARL R		TEST POLYMERS FOR CIRCULATORY ASSIST DEVICES	159,402 159,402
INSTITUTION TOTAL	1	159,402	
CITY TOTAL	1	159,402	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	4	651,743	
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
HR72923-00	RENNETT, OWEN	CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION	85,500
INSTITUTION TOTAL	1	85,500	
CITY TOTAL	1	85,500	
STATE TOTAL	1	85,500	
PENNSYLVANIA			
PHILADELPHIA			
ANIMATION ARTS ASSOCIATES			
LM74717-00	ZIEGLER, HARRY E, JR	MISCELLANEOUS GRAPHIC ART SERVICES	24,075
INSTITUTION TOTAL	1	24,075	
CENTER FOR RESEARCH ON THE ACTS OF MAN			
HD72822-00	FURSTENBERG, FRANK F	STUDY OF EARLY CHILDBEARING AND KINSHIP RELATIONS	60,150
INSTITUTION TOTAL	1	60,150	
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA			
CF75885-00	LKEINSTEIN, BRUCE H	PREPARATION OF CARCINOGENESIS ABSTRACTS	521,519
INSTITUTION TOTAL	1	521,519	
LANKENAU HOSPITAL			
HW72958-00	HOLMES, WILLIAM L	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	9,093
INSTITUTION TOTAL	1	9,093	
CITY TOTAL	4	614,837	
PITTSBURGH			
CARNEGIE INSTITUTE			
HD72846-00	KRASNER, JEROME L	RESEARCH AND DEVELOPMENT OF A CARDIORESPIRATORY MONITOR	112,435
INSTITUTION TOTAL	1	112,435	
UNIVERSITY OF PITTSBURGH			
HI72947-00	DETRE, KATHERINE M	COORDINATING CENTER--CORONARY INTERVENTION STUDY	86,176

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CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA PITTSBURGH UNIVERSITY OF PITTSBURGH HD72829-00 HV72932-00	PECKHAM, WILLIAM D SASHIN, DONALD	DEVELOPMENT OF RADIOIMMUNOASSAY FOR RHESUS MONKEY LH NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	66,331 210,750
INSTITUTION TOTAL CITY TOTAL	3 4		363,257 475,692
UNIVERSITY PARK PENNSYLVANIA STATE UNIVERSITY CP75926-00	JURS, PETER	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	45,453
INSTITUTION TOTAL CITY TOTAL	1 1		45,453 45,453
VALENCIA APPLIED SCIENCE ASSOCIATES LN74713-00	GLASGOW, ZITA	FIELD TESTING OF 15 LECTURE-SUPPORT INSTRUCTIONAL FILMS	156,295 156,295
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 10		156,295 156,295 1,292,277
TENNESSEE MEMPHIS ST. JUDE CHILDREN'S RESEARCH HOSPITAL CP71030-00	JOHNSON, WARREN	HUMAN SPECIMEN ACQUISITION FOR CANCER RESEARCH	58,592 58,592
INSTITUTION TOTAL CITY TOTAL	1 1		58,592 58,592
NASHVILLE VANDERBILT UNIVERSITY CB74166-00	OLDHAM, ROBERT K	NORMALS CELL MEDIATED REACTIVITY TO HUMAN TUMOR ANTIGENS	76,374
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 2		76,374 76,374 134,966

76,374

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>TEXAS</b>			
COLLEGE STATION			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY			
AM72232-00	MARTELL, ARTHUR E	DEVELOPMENT OF IRON CHELATORS FOR COOLEY'S ANEMIA	46,198
INSTITUTION TOTAL	1	46,198	
CITY TOTAL	1	46,198	
<b>DALLAS</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
HV72942-00	WILLERSON, JAMES T	THERAPY TO PROTECT ISCHEMIC MYOCARDIUM/CLINICAL TESTS	13,920
INSTITUTION TOTAL	1	13,920	
CITY TOTAL	1	13,920	
<b>GALVESTON</b>			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
HR72922-00	BOWMAN, BARBARA	CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION	102,150
NS72372-00	GROSSMAN, ROBERT G	COMPREHENSIVE CENTRAL NERVOUS SYSTEM TRAUMA CENTER	111,300
INSTITUTION TOTAL	2	213,450	
CITY TOTAL	2	213,450	
<b>HOUSTON</b>			
BAYLOR COLLEGE OF MEDICINE			
CP71058-00	KIT, SAUL	HERPES SIMPLEX VIRUS THYMIDINE KINASE GENE	78,630
HR72921-00	NELSON, THOMAS E	CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION	79,870
CB74189-00	ROSEN, JEFFREY	ESTROGEN/PROGESTIN EFFECTS ON BREAST IN NEONATAL PERIOD	70,100
INSTITUTION TOTAL	3	228,600	
<b>TEXAS HEART INSTITUTE</b>			
HV72936-00	NORMAN, JOHN C	LEFT HEART ASSIST DEVICE DEVELOPMENT	244,962
INSTITUTION TOTAL	1	244,962	
<b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON</b>			
HV72948-00	HAWKINS, MORTON	COORDINATING CENTER FOR PROPRANOLOL HEART TRIAL	307,230
INSTITUTION TOTAL	1	307,230	
<b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER</b>			
CB74122-00	GRANATEK, CHRISTINE	DIAGNOSTIC USE OF CROSS-REACTING MICROBIAL ANTIGENS	83,297
INSTITUTION TOTAL	1	83,297	

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DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	6	864,089	
 TEXAS			
SAN ANTONIO			
SOUTHWEST RESEARCH INSTITUTE			
HD72831-00	HANGOLD, DONALD J	DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	95,027
INSTITUTION TOTAL	1	95,027	
CITY TOTAL	1	95,027	
STATE TOTAL	11	1,232,684	
 UTAH			
LOGAN			
UTAH STATE HIGHER EDUCATION SYSTEM--UTAH STATE UNIVERSITY			
CB74155-00	KLEINSCHUSTER, STEPHEN J	IMMUNOPROPHYLAXIS OF "CANCER EYE" IN CATTLE	288,385
INSTITUTION TOTAL	1	288,385	
CITY TOTAL	1	288,385	
 SALT LAKE CITY			
SALT LAKE CLINIC RESEARCH FOUNDATION			
HV72969-00	BARKER, ALLAN H	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,553
INSTITUTION TOTAL	1	10,553	
 UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
HV72975-00	JARVIK, ROBERT K	ENERGY CONVERTER FOR LEFT VENTRICLE ASSIST DEVICES	158,077
INSTITUTION TOTAL	1	158,077	
CITY TOTAL	2	168,630	
STATE TOTAL	3	457,015	
 VIRGINIA			
ARLINGTON			
AMERICAN BLOOD COMMISSION			
HB72977-00	HUBBELL, ROBERT	TASK FORCE ON UTILIZATION OF BLOOD & COMPONENTS	14,700
INSTITUTION TOTAL	1	14,700	
CITY TOTAL	1	14,700	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
VIRGINIA CHARLOTTESVILLE UNIVERSITY OF VIRGINIA CP71056-00	PARSONS, J THOMAS	MAPPING OF INTEGRATION SITES OF AVIAN SARCOMA VIRUS	61,920
INSTITUTION TOTAL	1		61,920
CITY TOTAL	1		61,920
 RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY HV72943-00	 FREER, RICHARD J	 PROSTAGLANDIN AND KALLIKREIN-KININ SYSTEM ANTAGONISTS	 81,272
INSTITUTION TOTAL	1		81,272
CITY TOTAL	1		81,272
STATE TOTAL	3		157,892
 WASHINGTON SEATTLE FRED HUTCHINSON CANCER RESEARCH CENTER CB74100-00 CP71038-00	 LEE, JOHN A THOMPSON, DONOVAN J	 MODELS OF MALIGNANT & PREMALIGNANT BREAST DISEASE EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	 77,460 74,842
INSTITUTION TOTAL	2		152,302
INSTITUTE OF APPLIED PHYSIOLOGY AND MEDICINE HV72926-00	REID, JOHN H	ULTRASONIC IMAGING DEVELOPMENT	134,334
INSTITUTION TOTAL	1		134,334
UNIVERSITY OF WASHINGTON HD72839-00 AM72222-00	PETERSON, DONALD R SCRIBNER, BELDING H	SIDS RISK FACTOR COOPERATIVE STUDY INFLUENCE OF ANIONS DURING DIALYSIS	199,609 70,000
INSTITUTION TOTAL	2		269,609
CITY TOTAL	5		556,245
 WALLA WALLA ST. MARY COMMUNITY HOSPITAL CN75395-00	 CONNELL, ROBERT M	 IMPLEMENTATION OF CLINICAL ONCOLOGY PROGRAM	 144,524
INSTITUTION TOTAL	1		144,524
CITY TOTAL	1		144,524



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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	6	700,769	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CB74173-00	LARSON, FRANK C	SIGNIFICANCE OF ALKALINE PHOSPHATASE IN CANCER PATIENTS	52,496
INSTITUTION TOTAL	1	52,496	
CITY TOTAL	1	52,496	
STATE TOTAL	1	52,496	
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES			
RR72115-00	KERBER, WILLIAM T	BEHAVIOR, ECOLOGY AND REPRODUCTION OF NONHUMAN PRIMATES	299,981
INSTITUTION TOTAL	1	299,981	
CITY TOTAL	1	299,981	
STATE TOTAL	1	299,981	
AUSTRALIA			
PARKVILLE			
UNIVERSITY OF MELBOURNE			
CB74148-00	BETCALF, DONALD	ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION	80,901
INSTITUTION TOTAL	1	80,901	
CITY TOTAL	1	80,901	
STATE TOTAL	1	80,901	
CANADA			
HAMILTON			
MC MASTER UNIVERSITY			
HV72917-00	UCHIDA, IRENE A	PLASMA LIPOPROTEINS IN IDENTICAL TWINS	178,617
INSTITUTION TOTAL	1	178,617	
CITY TOTAL	1	178,617	
STATE TOTAL	1	178,617	

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RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>FINLAND</b>			
<b>TURKU</b>			
UNIVERSITY OF TURKU			
CB74177-00	TOIVANEN, PAAVO	ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION	43,500
INSTITUTION TOTAL	1	43,500	
CITY TOTAL	1	43,500	
STATE TOTAL	1	43,500	
<b>GERMANY FED R</b>			
<b>GOTTINGEN</b>			
GEORG AUGUST UNIVERSITY OF GOTTINGEN			
AM72235-00	KRAMER, P	GASTROINTESTINAL DETOXIFICATION OF HEMOFILTRATE	8,000
INSTITUTION TOTAL	1	8,000	
CITY TOTAL	1	8,000	
STATE TOTAL	1	8,000	
<b>NETHERLANDS</b>			
<b>AMSTERDAM</b>			
NETHERLANDS RED CROSS			
CB74164-00	LOOS, J A	CRYOPRESERVATION OF HUMAN MONOCYTES	45,547
INSTITUTION TOTAL	1	45,547	
CITY TOTAL	1	45,547	
STATE TOTAL	1	45,547	
<b>SWEDEN</b>			
<b>STOCKHOLM</b>			
CAROLINE INSTITUTE			
CB74144-00	KLEIN, EVA	IN VITRO IMMUNIZATION WITH AUTOCHTHONOUS HUMAN TUMOR	62,000
INSTITUTION TOTAL	1	62,000	
CITY TOTAL	1	62,000	
<b>UPPSALA</b>			
UNIVERSITY OF UPPSALA			
CB74129-00	WIGZELL, HANS	OBTAIN UNIQUE MARKERS FOR MONONUCLEAR CELLS	50,000
INSTITUTION TOTAL	1	50,000	

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DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	
CITY TOTAL	1	50,000	
STATE TOTAL	2	112,000	
UNITED KINGDOM			
NOTTINGHAM			
UNIVERSITY OF NOTTINGHAM			
CB74167-00	BALDWIN, R W	DETECTION OF TUMOR SPECIFIC ANTIGENS IN THE CIRCULATION	46,424
INSTITUTION TOTAL	1	46,424	
CITY TOTAL	1	46,424	
STATE TOTAL	1	46,424	
TOTAL	152	16,840,838	46,424

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>ALABAMA</b>			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
CA09128-01A1	ACTON, RONALD T	TUMOR BIOLOGY--MULTIDISCIPLINARY	178,578
INSTITUTION TOTAL	1		178,578
CITY TOTAL	1		178,578
<b>TALLADEGA</b>			
TALLADEGA COLLEGE			
GN07660-01	BACON, ARTHUR L	MARC HONORS RESEARCH	95,440
INSTITUTION TOTAL	1		95,440
CITY TOTAL	1		95,440
STATE TOTAL	2		274,018
<b>CALIFORNIA</b>			
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AG00047-01	DIAMOND, IVAN F	MOLECULAR STUDIES OF AGING IN THE NERVOUS SYSTEM	59,769
CA09291-01	WILSON, CHARLES B	BRAIN TUMOR BIOLOGY AND THERAPY	40,618
INSTITUTION TOTAL	2		100,387
CITY TOTAL	2		100,387
<b>STANFORD</b>			
STANFORD UNIVERSITY			
CA09302-01	KALLMAN, ROBERT F	CANCER ETIOLOGY, PREVENTION, DETECTION & DIAGNOSIS	156,229
INSTITUTION TOTAL	1		156,229
CITY TOTAL	1		156,229
STATE TOTAL	3		256,616
<b>FLORIDA</b>			
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA			
EY07046-01	ENOCH, JAY M	VISUAL SCIENCES--CLINICAL	32,548
INSTITUTION TOTAL	1		32,548
CITY TOTAL	1		32,548

NIH RESEARCH TRAINING GRANTS					
GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM			DOLLARS AWARDED
STATE TOTAL	1		32,548		
GEORGIA					
ATLANTA					
ATLANTA UNIVERSITY CENTER					
GN07666-01	WINFRED, HARRIS	MARC HONORS RESEARCH			187,268
INSTITUTION TOTAL	1		187,268		
CITY TOTAL	1		187,268		
STATE TOTAL	1		187,268		
MISSISSIPPI					
TOUGALOO					
TOUGALOO COLLEGE					
GN07651-01	ASOKASRINIVASAN, G S	HONORS SCIENCE RESEARCH			53,310
INSTITUTION TOTAL	1		53,310		
CITY TOTAL	1		53,310		
STATE TOTAL	1		53,310		
MISSOURI					
SAINT LOUIS					
ST. LOUIS UNIVERSITY					
CA09222-01A1	GREEN, MAURICE	MOLECULAR AND TUMOR VIROLOGY			48,230
INSTITUTION TOTAL	1		48,230		
CITY TOTAL	1		48,230		
STATE TOTAL	1		48,230		
NEW MEXICO					
ALBUQUERQUE					
UNIVERSITY OF NEW MEXICO					
GN07661-01	GRIEGO, RICHARD J	MATHEMATICAL MODELS AND CURRICULA IN BIOLOGY			86,028
INSTITUTION TOTAL	1		86,028		
CITY TOTAL	1		86,028		

DOLLARS  
AWARDED

67,222

122,320

84,336

75,246

50,854

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	
NEW MEXICO			
UNIVERSITY PARK			
NEW MEXICO STATE UNIVERSITY UNIVERSITY PARK		MINORITY HONORS UNDERGRADUATE BIOMEDICAL SCIENCES	
GH07667-01	BERNSTEIN, MARVIN H		
INSTITUTION TOTAL	1		67,222
CITY TOTAL	1		67,222
STATE TOTAL	2		153,250
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MEDGAR EVERS COLLEGE		SCIENCE CAREER OPPORTUNITIES	
GH07641-01	PAUL, DENIS F		
INSTITUTION TOTAL	1		122,320
CITY TOTAL	1		122,320
STATE TOTAL	1		122,320
NORTH CAROLINA			
CHARLOTTE			
JOHNSON C. SMITH UNIVERSITY		HONORS UNDERGRADUATE RESEARCH	
GH07652-01	CHOPRA, BALDEO K		
INSTITUTION TOTAL	1		84,336
CITY TOTAL	1		84,336
RALEIGH			
NORTH CAROLINA DEPARTMENT OF ADMINISTRATION		MARC HONORS UNDERGRADUATE RESEARCH	
GH07672-01	SULLIVAN, RICHARD H		
INSTITUTION TOTAL	1		75,246
CITY TOTAL	1		75,246
STATE TOTAL	2		159,582
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY		RESPIRATORY DISEASES	
HL07288-01	CHERNIACK, NEIL S		
INSTITUTION TOTAL	1		50,854



NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	50,854	
STATE TOTAL	1	50,854	
OKLAHOMA			
TAHLEQUAH			
NORTHEASTERN OKLAHOMA STATE UNIVERSITY			
GM07694-01	REED, LANNY J	HONORS UNDERGRADUATE RESEARCH	36,531
INSTITUTION TOTAL	1	36,531	
CITY TOTAL	1	36,531	
STATE TOTAL	1	36,531	
SOUTH CAROLINA			
COLUMBIA			
BENEDICT COLLEGE			
GM07643-01	FINLAY, MARY F	HONORS UNDERGRADUATE RESEARCH	54,839
INSTITUTION TOTAL	1	54,839	
CITY TOTAL	1	54,839	
STATE TOTAL	1	54,839	
TEXAS			
HOUSTON			
TEXAS SOUTHERN UNIVERSITY			
GM07659-01	SESSION, JOHN J	HONORS UNDERGRADUATE BIOMEDICAL SCIENCES	87,046
INSTITUTION TOTAL	1	87,046	
CITY TOTAL	1	87,046	
PRAIRIE VIEW			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--PRAIRIE VIEW AGRI. AND MECH. UNIVERSITY			
GM07695-01	WASHINGTON, ARTHUR C	BIOMEDICAL SCIENCES	36,166
INSTITUTION TOTAL	1	36,166	
CITY TOTAL	1	36,166	
STATE TOTAL	2	123,212	
TOTAL	19	1,552,578	

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>CALIFORNIA</b>			
<b>BERKELEY</b>			
UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM05762-01	DWORKIN, MARK B	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>DAVIS</b>			
UNIVERSITY OF CALIFORNIA AT DAVIS			
AI05468-01A1	DAUBERT, STEPHEN D	VIROLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>LA JOLLA</b>			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI05569-01	PANGBURN, MICHAEL K	IMMUNOCHEMISTRY	F32
INSTITUTION TOTAL	1		
<b>UNIVERSITY OF CALIFORNIA AT SAN DIEGO</b>			
GM05974-01	KAHN, MICHAEL L	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
<b>LOS ANGELES</b>			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
GM06350-01	COLBERT, DONALD A	MOLECULAR BIOLOGY	F32
GM05786-01	ENOS, BRUCE E	MOLECULAR BIOLOGY	F32
AI05612-01	SHANLEY, JOHN D	IMMUNOLOGY	F32
GM06029-01	STROUSE, MARTHA J	PROTEIN/AMINO ACID BIOCHEMISTRY	F32
INSTITUTION TOTAL	4		
CITY TOTAL	4		
<b>PALO ALTO</b>			
PALO ALTO MEDICAL RESEARCH FOUNDATION			
AI05632-01	WILSON, CHRISTOPHER B	PARASITOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>CALIFORNIA</b>			
<b>SAN FRANCISCO</b>			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AN05681-01	WILKINSON, CHARLES W	ENDOCRINE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>STANFORD</b>			
STANFORD UNIVERSITY			
AI05617-01	HAPKIN, BARRY	INFECTIOUS DISEASES	F32
CA05985-01	MARK, DAVID P	VIROLOGY	F32
HD05523-01	MAXSON, ROBERT E, JR	MOLECULAR BIOLOGY	F32
AI05635-01	SATTLER, FRED R	VIROLOGY	F32
GH06253-01	TEGELER, JOHN J	ORGANIC SYNTHESIS	F32
INSTITUTION TOTAL	5		
CITY TOTAL	5		
STATE TOTAL	15		
<b>CONNECTICUT</b>			
<b>NEW HAVEN</b>			
YALE UNIVERSITY			
GH06321-01	MC GUIRE, JOHN J	ENZYME/METABOLISM BIOCHEMISTRY	F32
GH05948-01	WILKINSON, TIMOTHY J	MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
<b>GEORGIA</b>			
<b>ATHENS</b>			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA			
GH05424-01A1	REINERT, WILLIAM R	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>IOWA</b>			
IOWA CITY			
UNIVERSITY OF IOWA			
NS06013-01	TROUT, JEROME J	METABOLIC DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
<b>MARYLAND</b>			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
GH06185-01	BADER, GEORGE M	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
<b>BETHESDA</b>			
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
EY05234-01	LISBERGER, STEPHEN G	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
<b>MASSACHUSETTS</b>			
BOSTON			
AFFILIATED HOSPITALS. CENTER--ROBERT BRECK BRIGHAM HOSPITAL			
TW02461-01	HANDMAN, EMANUELA	PARASITOLOGY	F05
INSTITUTION TOTAL	1		
<b>HARVARD UNIVERSITY</b>			
GH06095-01	FREY, WILLIAM A	NUCLEIC ACID BIOCHEMISTRY	F32
NS06012-01	KRODEL, ELIZABETH	NEUROPHARMACOLOGY	F32
AI05559-01	MANSHEIM, BERNARD J	IMMUNOCHEMISTRY	F32
INSTITUTION TOTAL	3		
<b>MASSACHUSETTS GENERAL HOSPITAL</b>			
AH05776-01	KUBILUS, JOSEPH	TISSUE CULTURE: CELL BIOLOGY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CITY TOTAL 5			
MASSACHUSETTS			
CAMBRIDGE			
MASSACHUSETTS	INSTITUTE OF TECHNOLOGY		
GM05719-01	ROSS, DONALD G	MOLECULAR BIOLOGY	F32
AI05623-01	BOTHSTEIN, DAVID M	MICROBIAL PHYSIOLOGY	F32
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 7			
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN			
NS05331-01A1	BAUER, DIANA G	NEUROANATOMY	F32
GM06107-01	CHIANG, YOUNG-LING	DRUG ENZYMOLOGY	F32
AM05588-01	VAN CAMP, HARLAN L	MOLECULAR STRUCTURE	F32
INSTITUTION TOTAL 3			
CITY TOTAL 3			
STATE TOTAL 3			
MINNESOTA			
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA			
GM05942-01	EFTINK, MAURICE R	MOLECULAR STRUCTURE	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
ROCHESTER			
MAYO FOUNDATION--MAYO MEDICAL SCHOOL			
AI05584-01	KRCCO, CHRISTOPHER J	GENETICS	F32
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 2			

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MISSOURI UNIVERSITY CITY WASHINGTON UNIVERSITY AI05599-01	CLEVINGER, BRIAN L	IMMUNOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK BUFFALO NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE GM06204-01	MARWEDEL, BEVERLY J	ATOMIC STRUCTURE	F32
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK AT BUFFALO NS06014-01	HACKENZIE, ROBERT G	NEUROENDOCRINOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
NEW YORK NEW YORK MEDICAL COLLEGE EY05220-01	ROMESKIE, MARTHA	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
NEW YORK UNIVERSITY AM05267-01	GHANGAS, GURDEV S	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	4		
NORTH CAROLINA DURHAM DUKE UNIVERSITY GM06099-01	BOLEN, PAUL L	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		



NIH RESEARCH FELLOWSHIP AWARDS		FIELD OF INTEREST	PROGRAM
APPLICATION NUMBER	FELLOW		
STATE TOTAL	1		
OREGON			
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON			
GM 06341-01	ANNON, HERMAN L	CRYSTALLOGRAPHY	F32
GM 05669-01A1	WOODBURY, CHARLES P, JR	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
PENNSYLVANIA			
BETHLEHEM			
LEHIGH UNIVERSITY			
AI 05393-01A1	SCHOENBERG, DAVID A	PARASITOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
GM 06273-01	MILLER, JUDY A	TOXICOLOGY/PHARMACODYNAMICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
TW 02457-01	CADENAS, CARLOS E	ENZYMES/METABOLISM BIOCHEMISTRY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PITTSBURGH			
CARNEGIE-MELLON UNIVERSITY			
GM 05866-01	BORNMAN, LINDA S	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL 4			
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
GM06023-01 RAY, JAMES H BIOCHEMICAL AND MOLECULAR GENETICS			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
AI05645-01 QUACKENBUSH, ROBERT L			
HL05726-01 SCHWARTZ, ROBERT S			
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			
MICROBIOLOGY			
DIABETES			
F32			
F32			
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM05601-01A1 VIOLA, RONALD E ENZYME/METABOLISM BIOCHEMISTRY			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
F32			
SWEDEN			
UPPSALA			
UNIVERSITY OF UPPSALA			
AI05619-01 FOWLKES, DANA H			
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
VIROLOGY			
F32			

NIH  
RESEARCH FELLOWSHIP AWARDS

PROGRAM

FIELD OF INTEREST

APPLICATION NUMBER FELLOW

UNITED KINGDOM  
CAMBRIDGE

MEDICAL RESEARCH COUNCIL--LABORATORY OF MOLECULAR BIOLOGY  
CA06223-01 HINGERTY, BRIAN E CRYSTALLOGRAPHY

F32

INSTITUTION TOTAL 1

CITY TOTAL 1

STATE TOTAL 1

TOTAL 51

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
<b>ALABAMA</b>			
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
HL00387-01	CASSELL, GAIL H	MURINE CRD: A MODEL OF CHRONIC PULMONARY INFLAMMATION	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
<b>CALIFORNIA</b>			
LA JOLLA			
SCHIPPS CLINIC AND RESEARCH FOUNDATION			
AM00393-01	GINSBERG, MARK H	MEDIATOR CELL ACTIVATION BY IMMUNE COMPLEXES AND LPS	K08
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
<b>COLORADO</b>			
DENVER			
UNIVERSITY OF COLORADO MEDICAL CENTER			
AM00347-01	SIMON, FRANCIS R	SURFACE MEMBRANE REGULATION OF BILE ACID TRANSPORT	K04
INSTITUTION TOTAL 1			
CITY TOTAL 1			
STATE TOTAL 1			
<b>CONNECTICUT</b>			
NEW HAVEN			
YALE UNIVERSITY			
AM00389-01	MILSTONE, LEONARD M	DIFFERENTIATION OF EPIDERMIS: ROLE OF KERATINOSOMES	K08
AM00363-01	POWLEY, TERRY L	HYPOTHALAMIC CONTROL OF BODY WEIGHT AND FEEDING	K04
INSTITUTION TOTAL 2			
CITY TOTAL 2			
STATE TOTAL 2			

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NIH RESEARCH CAREER PROGRAM AWARDS			
FLORIDA MIAMI UNIVERSITY OF MIAMI AM00314-01	FINE, LEON G	FUNCTIONAL PROFILE OF THE ISOLATED UREMIC NEPHRON	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
ILLINOIS CHICAGO UNIVERSITY OF CHICAGO AM00401-01	BECKARD, CRAIG R	EFFECTS OF PANCREATIC ISLET TRANSPLANTATION	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY NS00279-01 AI00231-01	KRISTT, DONALD A PLAUT, MARSHALL	BIRTH DEFECTS OF THE CEREBRAL CORTEX CELL-MEDIATED IMMUNITY: MODULATION BY HISTAMINE	K07 K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA HD00191-01	LEE, CHING Y	GONADOTROPIN RECEPTORS IN OVARIES & GRANULOSA CELLS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NEW YORK			
NEW YORK			
MEMORIAL SLOAN-KETTERING CANCER CENTER			
AI00219-01	STEWART, WILLIAM E, II	CHARACTERIZATIONS OF INTERFERONS AND THEIR ACTIONS	K04
INSTITUTION TOTAL	1		
ROCKEFELLER UNIVERSITY			
AI00259-01	FISCHETTI, VINCENT A	PROPERTIES OF STREPTOCOCCAL M PROTEIN	K04
AI00246-01	WINCHESTER, ROBERT J	HUMAN B LYMPHOCYTE ALLOANTIGENS AND SURFACE MAKERS	K04
INSTITUTION TOTAL	2		
CITY TOTAL	3		
STATE TOTAL	3		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
ES00026-01	SOBSEY, MARK D	ENTERIC VIRUS CONTAMINATION OF WATER AND SHELLFISH	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
AM00391-01	BUCHAN, MELODIE M	EPIDERMAL TRANSGLUTAMINASE--ROLE IN KERATINIZATION	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
AM00385-01	HASSELBACHER, PETER	EFFECT OF PROTEIN-CRYSTAL INTERACTIONS IN ARTHRITIS	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		



NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
PENNSYLVANIA			
PITTSBURGH			
MONTEFIORE HOSPITAL			
AM00290-01	FROMM, HANS	BILE ACID METABOLISM IN GALLSTONE DISEASE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
AM00378-01	COHEN, PHILIP L	IN VITRO STUDIES OF B LYMPHOCYTE FUNCTION	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	18		

NIH  
CONSTRUCTION GRANTS

GRANT NUMBER	RESPONSIBLE OFFICIAL	PURPOSE OF GRANT	DOLLARS AWARDED
NEW YORK			
COLD SPRING HARBOR			
COLD SPRING HARBOR	LABORATORY		
CA21750-01	UDRY, WILLIAM R	NEW CANCER FACILITY	1,411,000
INSTITUTION TOTAL	1		
CITY TOTAL	1		1,411,000
STATE TOTAL	1		1,411,000
TOTAL	1		1,411,000



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